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UNIVERSITY



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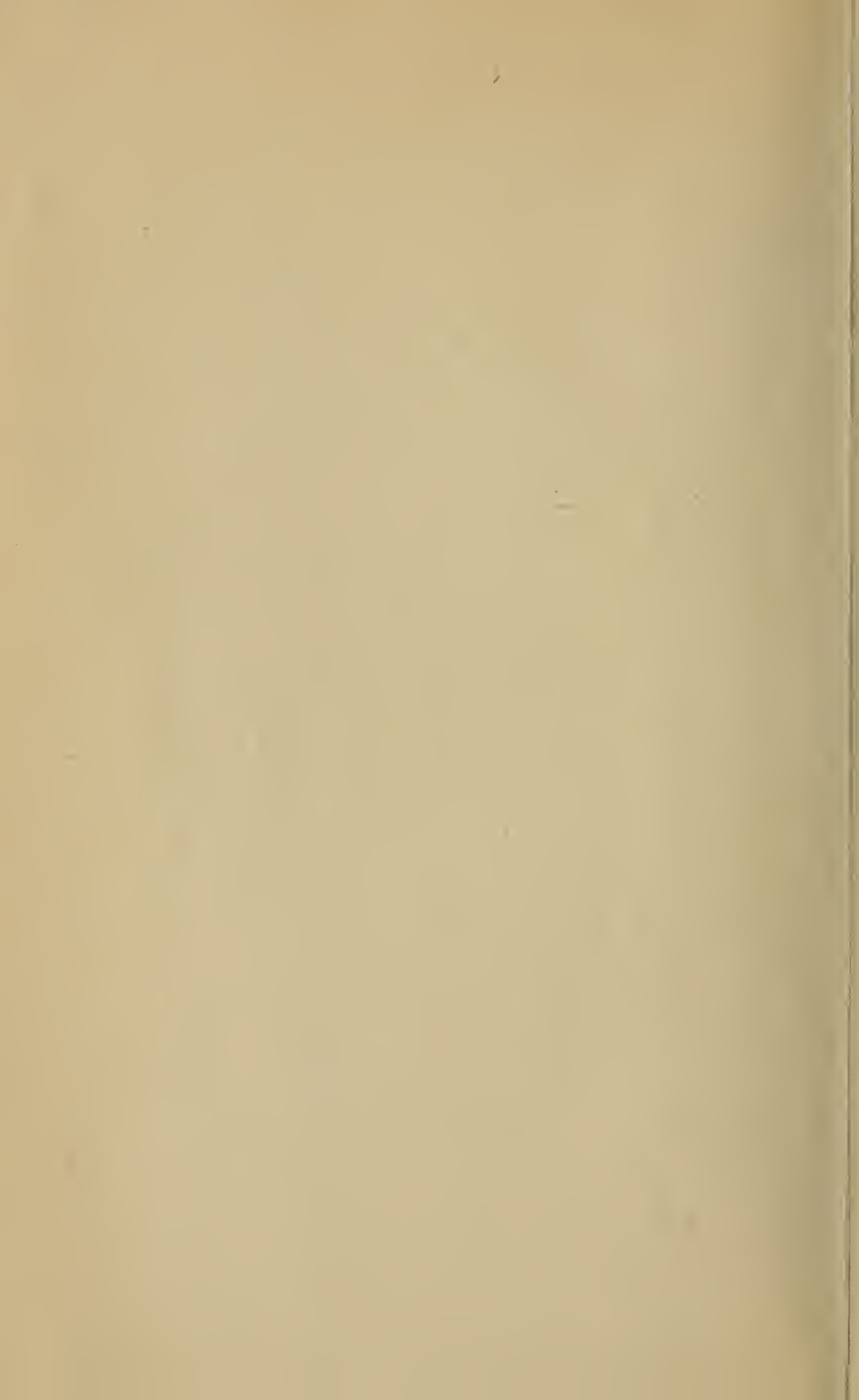
TREASURE ROOM











VOLUME 12

April, 1940

NUMBER 6

# BULLETIN OF DUKE UNIVERSITY

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## *Undergraduate Instruction*

(Trinity College, the Woman's College, and the  
College of Engineering)



1939-1940

ANNOUNCEMENTS FOR 1940-1941

PUBLISHED BY THE UNIVERSITY  
DURHAM, NORTH CAROLINA

## ANNUAL BULLETINS

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For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

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For BULLETIN OF THE SUMMER SCHOOL, apply to *The Director of the Summer School*, Duke University, Durham, N. C.

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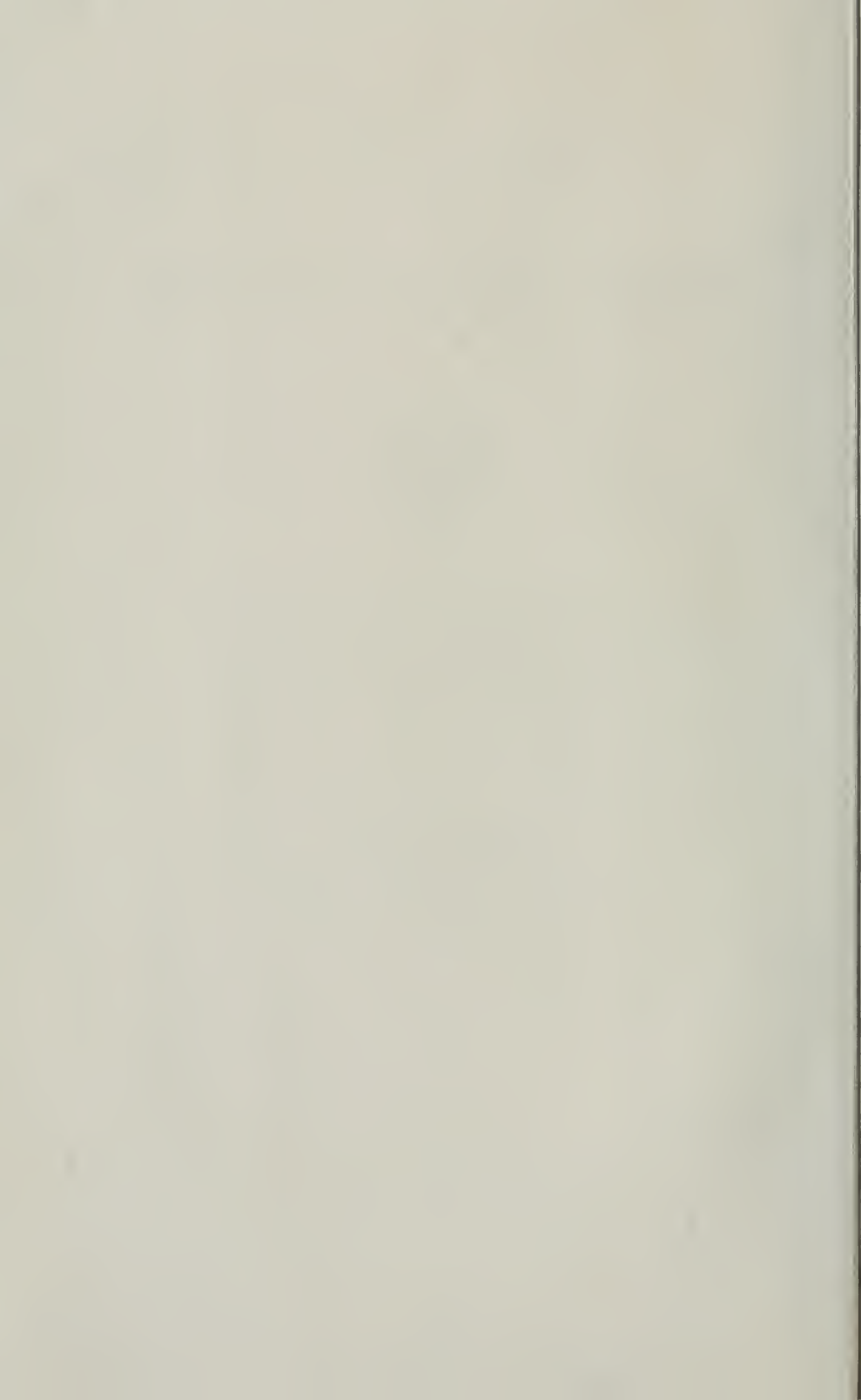
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ANNOUNCEMENTS FOR 1940-1941

DURHAM, NORTH CAROLINA

1940





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## UNIVERSITY CALENDAR

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1940

- June 11 Tuesday, 9:00 A.M.—Registration of students for Summer School, first term.
- June 12 Wednesday, 2:00 P.M.—Instruction begins for Summer School, first term.
- July 4 Thursday, Independence Day: a holiday.
- July 22-23 Monday, Tuesday—Final examinations for Summer School, first term.
- July 24 Wednesday, 9:00 A.M.—Registration of students for Summer School, second term.
- July 24 Wednesday, 2:00 P.M.—Instruction for Summer School, second term.
- Sept. 2-3 Monday, Tuesday—Final examinations for Summer School, second term.
- Sept. 12 Thursday, 9:00 A.M.—Dormitories open to Freshmen.
- Sept. 12 Thursday, 8:00 P.M.—Assembly for all entering Freshmen; Freshmen Orientation Program begins.
- Sept. 17 Tuesday—Freshman instruction begins.
- Sept. 17 Tuesday—Registration and matriculation of new students with advanced standing.
- Sept. 18 Wednesday, 11:00 A.M.—Formal opening of the College; registration of matriculated students.
- Sept. 19 Thursday—Instruction for Sophomores, Juniors, and Seniors begins.
- Sept. 19-21 Thursday, 9:00 A.M.-1:00 P.M.; 2:30 P.M.-4:00 P.M.; Friday, 9:00 A.M.-1:00 P.M.; 2:30 P.M.-5:00 P.M.; Saturday, 9:00 A.M.-1:00 P.M.—Registration of graduate students.
- Nov. 28 Thursday—Thanksgiving Day: a holiday.
- Dec. 11 Wednesday—Duke University Day.
- Dec. 20 Friday, 1:00 P.M.—Christmas recess begins.

1941

- Jan. 3 Friday, 8:00 A.M.—Instruction is resumed.
- Jan. 17 Friday—Mid-year examinations begin.
- Jan. 31 Friday—Last day for matriculation for second semester.
- Feb. 1 Saturday—Second semester begins.
- March 22 Saturday, 1:00 P.M.—Spring vacation begins.
- March 31 Monday, 8:00 A.M.—Instruction is resumed.
- April 19 Saturday—Last day for submitting orations for Wiley Gray Contest.
- April 30 Wednesday—Last day for selection of courses for ensuing year.

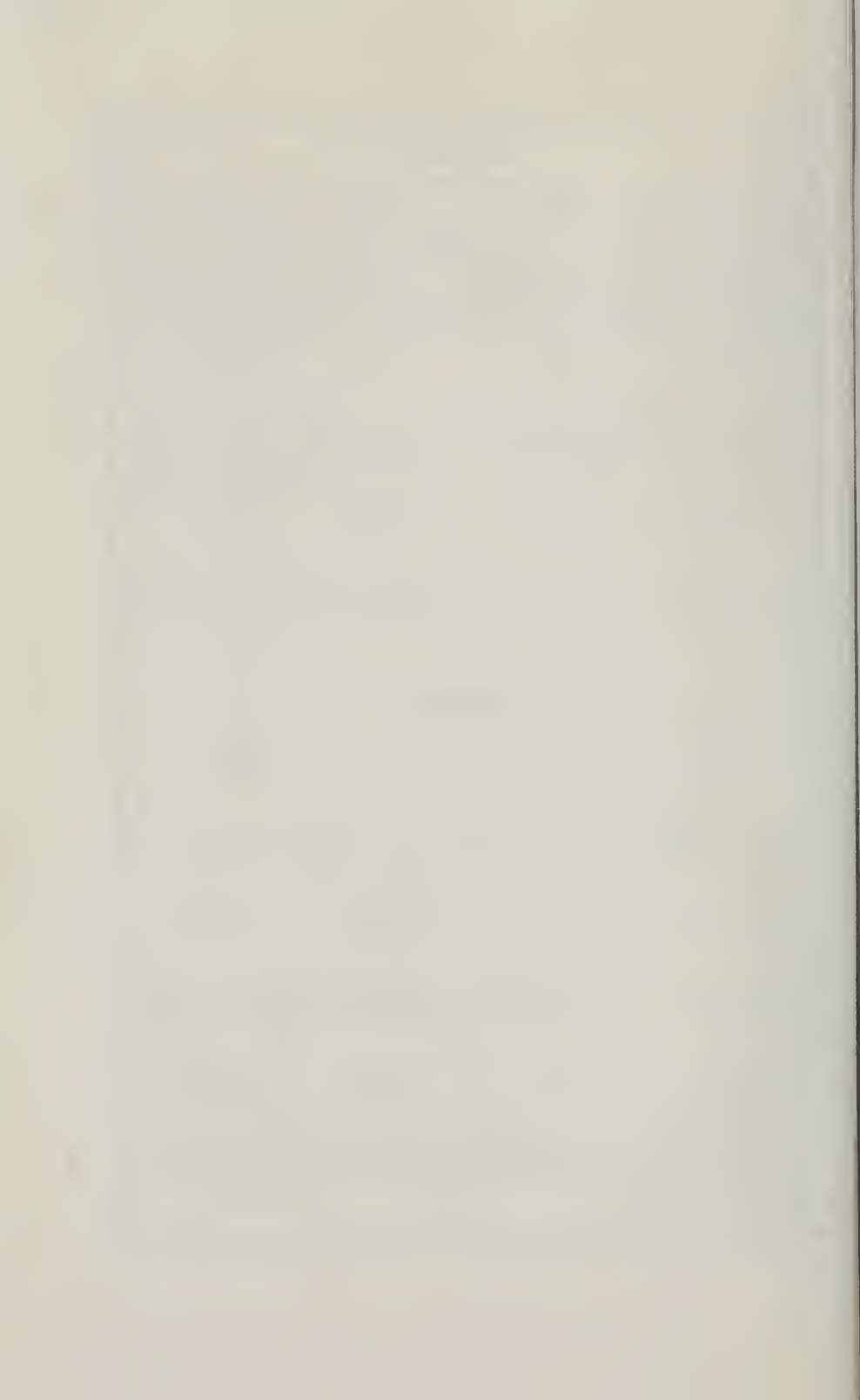
- May 10 Saturday—Earliest date for beginning of Honors examination.
- May 16 Friday—Final examinations begin.
- May 31 Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 1 Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 2 Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

# 1940

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# GOVERNING BODIES AND OFFICERS

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## EXECUTIVE COMMITTEE OF THE UNIVERSITY

(Consisting of three members from the University Trustees, three from the Endowment Trustees, and the President of the University.)

	Year of Election		
J. F. BRUTON, Chairman.....	1918.....	Wilson,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
W. P. FEW.....	1910.....	Durham,	N. C.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. N. REYNOLDS.....	1933.....	Winston-Salem,	N. C.
J. H. SEPAK.....	1929.....	Gastonia,	N. C.
W. R. PERKINS.....	1937.....	New York,	N. Y.
R. L. FLOWERS, Recording Secretary.....	1923.....	Durham,	N. C.

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## UNIVERSITY TRUSTEES

### Term Expires December 31, 1941

J. F. BRUTON, Chairman.....	1900.....	Wilson,	N. C.
T. F. MARR, Vice-Chairman.....	1900.....	Brevard,	N. C.
D. S. ELIAS.....	1929.....	Asheville,	N. C.
P. H. HANES.....	1912.....	Winston-Salem,	N. C.
J. L. HORNE, JR.....	1934.....	Rocky Mount,	N. C.
J. A. LONG.....	1915.....	Roxboro,	N. C.
S. B. TURRENTINE.....	1893.....	Greensboro,	N. C.
EARLE W. WEBB.....	1933.....	New York,	N. Y.

### FROM THE ALUMNI

S. S. ALDERMAN.....	1934.....	Washington,	D. C.
W. N. REYNOLDS.....	1927.....	Winston-Salem,	N. C.
J. H. SEPAK.....	1916.....	Gastonia,	N. C.
WILLIS SMITH.....	1929.....	Raleigh,	N. C.

### Term Expires December 31, 1943

R. L. FLOWERS, Recording Secretary.....	1927.....	Durham,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
J. H. BARNHARDT.....	1918.....	Raleigh,	N. C.
JAMES A. BELL.....	1920.....	Charlotte,	N. C.
R. G. CHERRY.....	1934.....	Gastonia,	N. C.
THOMAS M. GRANT.....	1933.....	Greenville,	N. C.
J. R. SMITH.....	1934.....	Mount Airy,	N. C.
J. P. FRIZZELLE.....	1937.....	Snow Hill,	N. C.

### FROM THE ALUMNI

	Year of Election		
W. W. FLOWERS.....	1925.....	New York,	N. Y.
J. B. HURLEY.....	1896.....	Goldsboro,	N. C.
C. F. LAMBETH.....	1915.....	Thomasville,	N. C.
C. K. PROCTOR.....	1935.....	Oxford,	N. C.

## Term Expires December 31, 1945

M. E. NEWSOM.....	1917.....	Durham,	N. C.
E. S. BOWLING.....	1939.....	New York,	N. Y.
J. A. THOMAS.....	1936.....	White Plains,	N. Y.
W. W. PEELE.....	1921.....	Richmond,	Va.
W. R. PERKINS.....	1924.....	New York,	N. Y.
D. C. ROPER.....	1929.....	Washington,	D. C.
F. M. WEAVER.....	1909.....	Asheville,	N. C.
B. S. WOMBLE.....	1915.....	Winston-Salem,	N. C.

## FROM THE ALUMNI

H. R. DWIRE, Ass't Rec. Secretary.....	1931.....	Durham,	N. C.
R. A. MAYER.....	1897.....	Charlotte,	N. C.
F. M. SIMMONS.....	1892.....	New Bern,	N. C.
W. A. STANBURY.....	1933.....	Asheville,	N. C.

## ENDOWMENT TRUSTEES

Mrs. J. B. DUKE.....	1924.....	New York,	N. Y.
G. G. ALLEN, Chairman.....	1924.....	New York,	N. Y.
W. R. PERKINS, Vice-Chairman.....	1924.....	New York,	N. Y.
E. C. MARSHALL, Assistant Secretary.....	1924.....	Charlotte,	N. C.
N. A. COCKE, Vice-Chairman.....	1924.....	Charlotte,	N. C.
C. I. BURKHOLDER.....	1924.....	Charlotte,	N. C.
B. E. GEER.....	1924.....	Greenville,	S. C.
A. H. SANDS, JR., Secretary.....	1924.....	New York,	N. Y.
W. C. PARKER, Treasurer.....	1924.....	New York,	N. Y.
W. B. BELL.....	1924.....	New York,	N. Y.
W. S. RANKIN.....	1925.....	Charlotte,	N. C.
R. L. FLOWERS.....	1926.....	Durham,	N. C.
W. N. REYNOLDS.....	1931.....	Winston-Salem,	N. C.
W. S. O'B. ROBINSON, JR.....	1932.....	Charlotte,	N. C.
Mrs. DORIS DUKE CROMWELL.....	1933.....	New York,	N. Y.

## COMMITTEES OF THE UNIVERSITY TRUSTEES

*Buildings and Grounds:* J. R. SMITH, CHERRY, BARNHARDT.

*Business Administration of the University:* HANES, LONG, ELIAS, BOWLING.

*Colleges:* ALDERMAN, ROPER, HORNE.

*School of Forestry:* DWIRE, W. W. FLOWERS, NEWSOM.

*Graduate School:* WEBB, TURRENTINE, SIMMONS, R. L. FLOWERS.

*Law School:* WILLIS SMITH, WOMBLE, BELL, FRIZZELLE.

*Library:* STANBURY, HANES, LAMBETH, WEAVER.

*Medical School and Hospital:* THOMAS, MAYER, PROCTOR.

*Physical Education and Intercollegiate Athletics:* SEPARK, J. R. SMITH, PROCTOR.

*School of Religion:* PEELE, GRANT, HURLEY, MARR.

# OFFICERS OF ADMINISTRATION

---

## GENERAL ADMINISTRATION

FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., Ed.D., LL.D. <i>President</i>	West Campus
FLOWERS, ROBERT LEE, A.M., LL.D. <i>Vice-President in the Business Division, Secretary and Treasurer</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-President in the Educational Division and Dean of the University</i>	West Campus
BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
BROWER, ALFRED SMITH, A.B. <i>Administrative Assistant</i>	518 Morehead Avenue

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## BUSINESS ADMINISTRATION

FLOWERS, ROBERT LEE, A.M., LL.D. <i>Secretary and Treasurer</i>	West Campus
MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Assistant Treasurer</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Assistant Secretary</i>	813 Vickers Avenue
BOY, CARL A. <i>Superintendent of Maintenance</i>	2224 Erwin Road
DOOLEY, NELL, R.N. <i>Dietitian, the Union</i>	Faculty Apartments, East Campus
GIFT, JOHN C. <i>Superintendent of Maintenance</i>	811 Fifth Street
HENRICKSEN, GERHARD CHESTER, A.B., A.M., C.P.A. <i>Auditor</i>	216 Forest Wood Drive, Forest Hills
HOOKE, MARY R., MRS. <i>Supervisor of Dormitories</i>	Powe Apartments, Buchanan Road
MARTIN, LILLY SLADE, MRS. <i>Supervisor of Dormitories</i>	2011 Woodrow Street
MOORE, JOHN MEREDITH, A.B. <i>Manager, the Duke University Stores</i>	2615 Chapel Hill Boulevard
ROBERSON, HELEN, MRS. <i>Dietitian, the Union</i>	East Campus
SAWYER, OTIS, A.B. <i>Purchasing Agent, Duke University</i>	2010 Club Boulevard
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*Supervisor of Dormitories* Powe Apartments, Buchanan Road
- WHITFORD, WILLIAM EDWARD, A.B.  
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*Dean of the Woman's College* East Campus
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*Dean of Freshmen* Myrtle Drive, West Campus
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*Associate Dean of Undergraduate Instruction, Woman's College*  
Faculty Apartments, East Campus
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*Head of Brown House* Brown House
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*Assistant Dean in Charge of Freshmen of the Woman's College*  
*Secretary of the Committee on Admissions of the Woman's College*
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*Dean of the Graduate School of Arts and Sciences*

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DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D. <i>Dean of the School of Medicine</i>	Hope Valley
PINKERTON, MARGARET ISABEL, (1939) R.N., B.S. <i>Dean of the School of Nursing</i>	Nurses Home
BAKER, BESSIE, R.N., B.S. <i>Dean of the School of Nursing, Emeritus</i>	Baltimore, Md.
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GARBER, PAUL NEFF, A.B., A.M., Ph.D. <i>Registrar of the School of Religion</i>	West Campus
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COLEMAN, MARGARET, A.B., A.M. <i>Recorder, Trinity College</i>	918 Urban Avenue
HUCKABEE, ELLEN HARRIS, A.B., A.M. <i>Assistant Dean of Residence, Woman's College, Head of Pegram House</i>	Pegram House
KENDALL, HELEN MILDRED, A.B. <i>Registrar, School of Law</i>	1013 Dacian Avenue
SEABOLT, LOUISE, A.B., A.M. <i>Recorder, Woman's College</i>	114 Faculty Apartments, East Campus
STOCKSDALE, HELEN I. <i>Recorder, School of Medicine</i>	Beverly Apartments

## INSTRUCTIONAL STAFF

*This alphabetical list includes all members of the various faculties of the University. The date denotes the first year of service.*

ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. <i>Associate Professor of Psychology</i>	Cornwallis Road
ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D. <i>Assistant Professor of Botany</i>	1003 Lamond Avenue
ALDRIDGE, FRED SOULE, (1922) A.B., A.M. <i>Assistant Professor of Mathematics</i>	East Campus
ALLEN, DON CAMERON, (1938) A.B., Ph.D. <i>Assistant Professor of English</i>	701 Club Boulevard
ALTVATER, F. VERNON, (1930) A.B., A.M. <i>Associate in Hospital Administration</i>	Route 2, Hillsboro, N. C.
ALYEA, EDWIN PASCAL, (1930) S.B., M.D. <i>Associate Professor of Surgery in Charge of Urology</i>	Hope Valley
ANDERSON, CHARLES ROBERTS, (1930) A.B., A.M., Ph.D. <i>Assistant Professor of English</i>	1007 Lakewood Avenue
ANDERSON, LEWIS EDWARD, (1936) B.S., A.M., Ph.D. <i>Instructor in Botany</i>	2016 Myrtle Drive
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- ARENA, JAY MORRIS, (1933) B.S., M.D.  
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- ATWOOD, THEODORE W., (1934) A.B., D.M.D.  
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- AYCOCK, THOMAS MALCOLM, (1937) B.S., M.S.  
*Assistant Professor of Physical Education* 1404 Alabama Avenue
- BAITY, HERMAN GLENN, (1938) Sc.D.  
*Lecturer in Public Health* Chapel Hill, N. C.
- BAKER, BESSIE, (1930) R.N., B.S.  
*Dean of the School of Nursing and Professor of Nursing Education, Emeritus* Baltimore, Md.
- BAKER, LENOX DIAL, (1937) M.D.  
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- BAKER, ROGER DENIO, (1930) A.B., M.D.  
*Assistant Professor of Pathology* 1111 Watts Street
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.  
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- BAYLIN, GEORGE JAY, (1939) A.B., M.D.  
*Instructor in Anatomy and Assistant in Roentgenology* Duke Hospital
- BEAL, JAMES ALLEN, (1939) B.S., M.S., Ph.D.  
*Professor of Forest Entomology* 908 West Markham Avenue
- BEARD, JOSEPH W., (1937) B.S., M.D.  
*Assistant Professor of Surgery in Charge of Experimental Surgery* Hillsboro, N. C.
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D. Woodridge Drive, Rockwood  
*Associate Professor of Physiology and Pharmacology*
- BERNHEIM, MARY LILIAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D. Woodridge Drive, Rockwood  
*Assistant Professor of Biochemistry*
- BERRY, EDWARD WILLARD, (1936) A.B., Ph.D. 1003 N. Gregson Street  
*Associate Professor of Geology*
- BERRY, THOMAS SENIOR, (1935) S.B., M.A., Ph.D. 100 Vineyard Street  
*Instructor in Economics*
- BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D. 131 Pinecrest Road  
*Associate Professor of Chemistry*
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E. 1209 Virginia Avenue  
*Professor of Civil Engineering*
- BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A. 135 Pinecrest Road  
*Assistant Professor of Accounting*
- BLACKBURN, WILLIAM MAXWELL, (1926) A.B., B.A., M.A. 715 Anderson Street  
*Associate Professor of English*
- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D. 922 Demarius Street  
*Professor of Botany*
- BOAS, RALPH PHILIP, JR. (1939) A.B., Ph.D. Duke University  
*Instructor in Mathematics*
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A. (Juris.), M.A., B.C.L. Hope Valley  
*Professor of Law*
- BONNER, LYMAN GAYLORD, (1937) A.B., Ph.D. Nation Avenue  
*Instructor in Physics*
- BOOKHOUT, CAZLYN GREEN, (1935) A.B., A.M., Ph.D. 1307 Alabama Avenue  
*Instructor in Zoology*

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\* Absent on leave, second semester, 1940-1941.



- BRADFORD, WILLIAM ZIEGLER, (1934) B.S., M.D.  
*Assistant Professor of Obstetrics and Gynecology and  
 Director, Outside Obstetric Service* Charlotte, N. C.
- BRADSHER, CHARLES KILGO, (1939) A.B., M.A., Ph.D.  
*Instructor in Chemistry* 2219 Club Boulevard
- BRADWAY, JOHN SAEGER, (1931) A.B., A.M., LL.B.  
*Professor of Law* Rockwood
- \*BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D.  
*Professor of New Testament Language and Literature* Chelsea Circle, Hope Valley
- BRICE, ASHBEL GREEN, (1939) A.B., A.M.  
*Instructor in English (First Semester)* Duke University
- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M.  
*Assistant Professor of Romance Languages* 1325 Arnette Avenue
- BROADHEAD, EDWARD HALL, (1933) A.B., A.M., M.M.  
*Instructor in Music* 2614 Chapel Hill Road
- BROWN, FRANCES, (1931) A.B., Ph.D.  
*Instructor in Chemistry* 205 Jones Street
- BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D.  
*Professor of English* 410 Buchanan Road
- BROWN, HAROLD WILLIAM, (1938) A.B., M.S., Sc.D., Dr.P.H., M.D.  
*Professor of Preventive Medicine and Public Health* Chapel Hill, N. C.
- \*\*BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D.  
*Professor of Educational Psychology* Hope Valley
- BRUNSMA, HENRY A., (1938) B.M., M.M.  
*Instructor in Music* 2106 Sprunt Street
- BRYSON, THADDEUS DILLARD, (1928) LL.D.  
*Professor of Law* Hope Valley
- CALLAWAY, JASPER LAMAR, (1937) B.S., M.D.  
*Associate in Dermatology and Syphilology* 907 Second Street
- \*\*\*CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M., D.D.  
*Ivey Professor of History of Religion and Missions* 619 Morehead Avenue
- CARLITZ, LEONARD, (1932) A.B., A.M., Ph.D.  
*Associate Professor of Mathematics* 1410 Markham Avenue
- CARPENTER, DAVID WILLIAMS, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of Physics* 137 Pinecrest Road
- CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.  
*Professor of Education* 926 Monmouth Avenue
- \*\*CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.  
*Professor of History* University Apartments
- CARTER, BAYARD, (1931) A.B., B.A., M.A., M.D.  
*Professor of Obstetrics and Gynecology* Myrtle Drive, West Campus
- CAVERS, DAVID FARQUHAR, (1931) B.S., LL.B.  
*Professor of Law* Sylvan Road
- CHAPMAN, ROBERT G., (1936) B.S. in M.E., M.M.E.  
*Instructor in Mechanical Engineering* 1001 Watts Street
- CHILDS, BENJAMIN GUY, (1924) B.A., M.A.  
*Professor of Education* 1019 West Markham Avenue
- CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D.  
*Assistant Professor of New Testament Language and Literature* 11 Bickett Apartments, Gregson Street

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\* Absent on leave, second semester, 1939-1940.

\*\* Absent on leave, 1940-1941.

\*\*\* Absent on leave, second semester, 1940-1941.



- CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D.  
*Associate Professor of History* 1104 Watts Street
- COILE, THEODORE STANLEY, (1935) B.S.F., M.F., Ph.D.  
*Assistant Professor of Forest Soils* University Apartments
- COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D.  
*Associate Professor of Political Science* 611 Watts Street
- CONANT, NORMAN FRANCIS, (1935) B.S., A.M., Ph.D.  
*Assistant Professor of Bacteriology and Mycology* Tuscaloosa Forest
- CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.  
*Assistant Professor of Physics* 2519 Woodridge Drive
- COOLIDGE, THOMAS BUCKINGHAM, (1935) B.A., Ph.D., M.D.  
*Associate in Biochemistry* Vineyard and Legion Avenue
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.  
*Professor of Romance Languages* 1017 Dacian Avenue
- CRAIG, ROBERT LAWRENCE, (1938) B.A., M.D.  
*Instructor in Neurology* 308 Oakwood Avenue
- CRAVEN, ERLE BULLA, JR., (1937) A.B., M.D.  
*Instructor in Medicine* Winston-Salem, N. C.
- CRISPELL, RAYMOND S., (1933) A.B., M.D.  
*Associate Professor of Neuropsychiatry* Myrtle Drive, West Campus
- CRUM, MASON, (1930) A.B., Ph.D.  
*Assistant Professor of Biblical Literature* 1308 Markham Avenue
- CULBRETH, SARAH ELIZABETH, (1938) A.B., A.M., Ph.D.  
*Instructor in Zoology* 208 Watts Street
- CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D.  
*Professor of Biology* 1200 Markham Avenue
- DANN, WILLIAM JOHN, (1934) B.S., Ph.D.  
*Associate Professor of Physiology and Nutrition* 1016 Sycamore Street
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.  
*Assistant Professor of Romance Languages* 2015 Wa Wa Avenue
- DAVISON, WILBURT CORNELL, (1927) A.B., B.A., B.Sc., M.A., D.Sc., M.D.  
*Professor of Pediatrics* Hope Valley
- DEES, JOHN ESSARY, (1939) B.S., M.D.  
*Instructor in Urology* University Apartments
- DEES, SUSAN COONS, (1939) A.B., M.S., M.D.  
*Instructor in Pediatrics* University Apartments
- DEPLANE, WALTER HAROLD, (1934) A.B., A.M., Ph.D.  
*Instructor in Economics* Vineyard Street, Tuscaloosa Forest
- DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D.  
*Associate Professor of Economics* 214 Swift Avenue
- DICK, MACDONALD, (1932) B.A., M.A., M.D.  
*Associate in Medicine, Physiology, and Pharmacology* Hope Valley
- DOW, MARIE, MME., (1934) L. ès L., M.A.  
*Instructor (Part-time) in French* 1411 Arcadia Street
- DOW, NEAL, (1934) A.B., A.M., Ph.D.  
*Instructor in Romance Languages* 1411 Arcadia Street
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.  
*Instructor in Mathematics* Route 1, Box 106, Durham
- DUBS, HOMER HASENPFLUG, (1937) A.B., A.M., B.D., Ph.D.  
*Acting Professor of Philosophy* 2415 Club Boulevard
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D.  
*Professor of Physiology and Pharmacology* Hope Valley

- EAGLE, WATT WEEMS, (1929) A.B., M.D.  
*Associate Professor of Surgery in Charge of Otolaryngology* 804 Anderson Street
- EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.  
*Assistant Professor of Education* Guess Road
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.  
*Professor of Physics* 406 Buchanan Road
- EITEMAN, WILFORD J., (1937) A.B., A.M., Ph.D.  
*Assistant Professor of Economics* 126 Pinecrest Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.  
*Professor of Mathematics* 1404 Arnette Avenue
- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.  
*Professor of Sociology* Pinecrest Road
- EPPERSON, JESSE HARRISON, (1930) B.S.  
*Instructor in Preventive Medicine and Public Health* 1601 Hermitage Court
- ERICKSON, CYRUS CONRAD, (1937) B.S., B.M., M.D.  
*Instructor in Pathology* University Apartments
- EVERETT, JOHN WENDELL, (1932) A.B., Ph.D.  
*Assistant Professor of Anatomy* 2511 University Drive
- FARMER, WILLIAM DEMPSEY, (1935) A.B., M.D.  
*Instructor in Otolaryngology and Ophthalmology* University Apartments
- FERGUSON, ARTHUR BOWLES, (1939) A.B., Ph.D.  
*Instructor in History* Duke University
- FERGUSON, GEORGE BURTON, (1937) M.S. (Med.), M.D.  
*Instructor in Bronchoscopy* Beverly Apartments
- FINKELSTEIN, HAROLD, (1931) B.S., M.D.  
*Assistant Professor of Surgery* Erwin Apartments
- FITZGERALD, WILLIAM STONE, (1935) A.B., A.M.  
*Instructor in English* 6 Powe Apartments, 603 Watts Street
- FLETCHER, RICHARD VAN, (1933) B.S., M.D.  
*Instructor in Surgery* 210 Faculty Apartments
- FORBUS, WILEY DAVIS, (1929) A.B., M.D.  
*Professor of Pathology* Hope Valley
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D.  
*Professor of Church History* Myrtle Drive, West Campus
- GARDINER, ANN HENSHAW, (1930) R.N., B.S., M.S.  
*Assistant Professor of Nursing Education* 212 Watts Street
- GARDNER, CLARENCE ELLSWORTH, JR., (1930) A.B., M.D.  
*Associate Professor of Surgery* Hope Valley
- GATES, ARTHUR MATHEWS, (1909), A.B., A.M., Ph.D.  
*Assistant Professor of Latin* 1030 West Trinity Avenue
- GERGEN, JOHN JAY, (1936) A.B., M.A., Ph.D.  
*Professor of Mathematics* 1012 West Trinity Avenue
- GIBSON, WILLIAM MARION, (1934) A.B., A.M., Ph.D.  
*Instructor in Political Science* 2014 Wilson Street
- \*\*GILBERT, ALLAN, (1920) B.A., A.M., Ph.D.  
*Professor of English* 516 Carolina Circle
- GILBERT, KATHERINE EVERETT, (1930) A.B., A.M., Ph.D.  
*Professor of Philosophy* 516 Carolina Circle

\* Absent on leave, 1939-1940.

\*\* Absent on leave, second semester, 1940-1941.

- GLASSON, WILLIAM HENRY, (1902) Ph.B., Ph.D., LL.D.  
*Professor of Political Economy and Social Science* 710 Buchanan Road
- \*GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.  
*Professor of English* 1001 Lamond Avenue
- GOTAAS, HAROLD BENEDICT, (1938) B.S., M.S., S.M.  
*Instructor in Public Health* Chapel Hill, N. C.
- GRAHAM, WILLIAM ALEXANDER, (1939) A.B., M.D.  
*Instructor in Obstetrics and Gynecology* 515 Morehead Avenue
- GRAVES, ROBERT WILLIAMS, (1936) B.S., M.A., M.D.  
*Associate in Neurology* Cornwallis Road
- GRAY, IRVING EMERY, (1930) B.S., M.S., Ph.D.  
*Associate Professor of Zoology* 124 Pinecrest Road
- GREENE, WALTER KIRKLAND, (1928) A.B., A.M., Ph.D.  
*Professor of English* Myrtle Drive, West Campus
- GREENWOOD, JOSEPH, (1930) A.B., A.M., Ph.D.  
*Assistant Professor of Mathematics* 804 Third Street
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D.  
*William Howell Pegram Professor of Chemistry* Hope Valley
- GROUT, JULIA REBECCA, (1924) A.B., M.S.  
*Assistant Professor of Physical Education, Woman's College* 205 Jones Street
- GROVES, ERNEST RUTHERFORD, (1938) A.B., B.D., Research Professor of Sociology at the University of North Carolina  
*Lecturer on Sociology, second half-year*
- GUNTER, JUNE U., (1938), A.B., M.D.  
*Instructor in Pathology* Duke Hospital
- HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D.  
*Professor of Zoology* 122 Pinecrest Road
- HALL, LOUISE, (1931) B.A., S.B. in Architecture, Brevet d'Art de la Sorbonne  
*Assistant Professor of Fine Arts* 211 Faculty Apartments
- HALL, SNOWDEN COWMAN, (1937) A.B., M.D.  
*Instructor in Medicine* Danville, Va.
- HALL, WILLIAM HOLLAND, (1915) A.B., A.M., B.C.E., M.S.C.E.  
*Professor of Engineering* 111 Watts Street
- HAMBLÉN, EDWIN CROWELL, (1931) B.S., M.D.  
*Associate Professor of Obstetrics and Gynecology* 814 Forest Hill Road
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D.  
*Professor of Economics* 1015 Demarius Street
- HAMILTON, WILLIAM BASKERVILLE, JR., (1936) A.B., A.M., Ph.D.  
*Instructor in History* 2009 Pershing Street
- HANES, FREDERIC MOIR, (1931) A.B., A.M., M.D.  
*Florence McAlister Professor of Medicine* 2127 Myrtle Drive, West Campus
- HANSEN-PRÜSS, OSCAR CARL EDVARD, (1930) A.B., M.D.  
*Associate Professor of Medicine* 3 Surry Road, Hope Valley
- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D., Sc.D.  
*Professor of Zoology* 811 Watts Street
- HARRAR, ELWOOD SCOTT, (1936) B.S., M.S., Ph.D.  
*Associate Professor of Wood Technology* 1402 Alabama Avenue
- HARRIS, JEROME SYLVAN, (1936) A.B., M.D.  
*Associate in Pediatrics and Biochemistry* 1018 Demarius Street
- HART, DERYL, (1929) A.B., A.M., M.D.  
*Professor of Surgery* Duke University Road and Highway 751

\* Absent on leave, second semester, 1940-1941.

- HART, HORNELL NORRIS, (1938) A.B., M.A., Ph.D.  
*Professor of Sociology* Randolph Road
- HARWELL, GEORGE CORBIN, (1935) A.B., A.M., Ph.D.  
*Instructor in English* No. 8, Aycock Apartments, Dacian Avenue
- HASBROUCK, FRANCIS MAHLON, (1935) A.B., Ph.D.  
*Assistant Professor of Romance Languages* 1005 Homer Street
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.  
*Professor of Physics* 708 Buchanan Road
- \*HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.  
*Assistant Professor of Chemistry* 1020 Rose Hill Avenue
- HAVENS, RALPH MURRAY, (1938) A.B., M.B.A.  
*Instructor in Accounting* 1809 Chapel Hill Road
- HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D.  
*Instructor in Physics* 132 Pinecrest Road
- HENDRIX, JAMES PAISLEY, (1938) B.S., M.A., M.D.  
*Associate in Medicine* 144 Pinecrest Road
- HERRING, HERBERT JAMES, (1924) A.B., A.M.  
*Assistant Professor in Speech* Myrtle Drive, West Campus
- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.  
*Associate Professor of Anatomy* Hope Valley
- HICKMAN, FRANKLIN SIMPSON, (1927) A.B., S.T.B., A.M., Ph.D.  
*Professor of Preaching and the Psychology of Religion* 823 Buchanan Rd.
- HICKSON, ARTHUR OWEN, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of Mathematics* Legion Avenue, Tuscaloosa Forest
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.  
*Instructor in Chemistry* Dixon Road
- HITCH, JOSEPH M., (1938) A.B., M.S., M.D.  
*Instructor in Dermatology and Syphilology* Chapel Hill, N. C.
- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.  
*Instructor in Chemistry* 10 Powe Apartments, Buchanan Road
- HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D.  
*Assistant Professor of Anatomy* 1003 Urban Avenue
- HOLTON, HOLLAND, (1912) A.B., J.D.  
*Professor of the History and Science of Education* 809 Watts Street
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D., Litt.D.  
*Professor of Economics* 1702 Duke University Road
- HORACK, HUGO CLAUDE, (1930) Ph.B., LL.B., LL.D.  
*Professor of Law* 2021 Myrtle Drive, West Campus
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.  
*Professor of English* Pinecrest Road
- IRVING, WILLIAM HENRY, (1936) B.A., B.A. (Oxon.), M.A., Ph.D.  
*Professor of English* 207 Legion Avenue
- JEFFERS, KATHERINE R., (1937) A.B., A.M., Ph.D.  
*Instructor in Zoology* 1507 West Pettigrew Street
- \*JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.  
*Professor of Sociology* 143 Pinecrest Road
- JOHNSON, FRANK LOUIS, (1938) B.A., M.A., Ph.D.  
*Instructor in English* University Apartments
- JOHNSON, MYCHYLE W., (1937) A.B., Ph.D.  
*Instructor in Zoology* 1701 G Street

\* Absent on leave, first semester, 1940-1941.

- JOHNSTON, CHRISTOPHER, (1930) A.B., M.D.  
*Assistant Professor of Medicine and Physiology* 1417 W. Pettigrew Street
- JONES, ROBERT RANDOLPH, JR., (1930) A.B., M.D.  
*Assistant Professor of Surgery* 1105 Watts Street
- JONES, THOMAS T., (1937) A.B., M.D.  
*Instructor in Medicine* 1919 Club Boulevard
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.  
*Assistant Professor of English* Pinecrest Road, Corner U. S. Highway No. 751
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.  
*Professor of Romance Languages* 117 Pinecrest Road
- KEECH, JAMES MAYNARD, (1931) A.B., A.M., Ph.D.  
*Instructor in Economics* Nation Avenue
- KEMP, MALCOLM D., (1937) M.D.  
*Instructor in Psychiatry* Pine Bluff, N. C.
- KEMPNER, WALTER, (1934) M.D.  
*Associate in Medicine* Washington Duke Hotel
- KLEIN, JAMES RAYMOND, (1930) A.B., Ph.D.  
*Instructor in Biochemistry* 924 Green Street
- KOHN, HENRY IRVING, (1937) A.B., Ph.D.  
*Instructor in Physiology and Pharmacology* 907 Second Street
- KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.  
*Professor of Silviculture* 1718 Duke University Road
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.  
*Associate Professor of Botany* 922 Urban Avenue
- KRAYBILL, EDWARD K., (1939) B.S. in E.E.  
*Instructor in Electrical Engineering* 113 Watts Street
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.  
*Professor of German* 2118 Englewood Avenue
- LANDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.  
*Assistant Professor of Economics* 1001 West Trinity Avenue
- LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.  
*Associate Professor of History* Hope Valley
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.  
*Professor of History* 1108 Monmouth Avenue
- LATTY, ELVIN REMUS, (1937) B.S., J.D., J.Sc.D.  
*Professor of Law* 2020 Wilson Street
- LEIBY, GEORGE M., (1938) M.P.H., Dr.P.H., M.D.  
*Instructor in Syphilology* Chapel Hill, N. C.
- LEMERT, BEN FRANKLIN, (1930) B.Sc. in Bus. Admin., M.A., Ph.D.  
*Assistant Professor of Economic Geography* 123 Pinecrest Road
- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.  
*Assistant Professor of Philosophy* 107 Pinecrest Road
- LESTER, DAVID WASHINGTON, (1939) M.D.  
*Instructor in Neuropsychiatry* Duke Hospital
- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.  
*Assistant Professor of Economics* Duke University
- LEVER, OSCAR WILLIAM, (1940) A.B., A.M.  
*Instructor in Homiletics and Biblical Literature* Duke University
- LEWIS, LEROY, (1935) A.B., A.M.  
*Instructor in Speech* 1517 North Duke Street
- LINEBARGER, PAUL MYRON ANTHONY, (1937) A.B., M.A., Ph.D.  
*Assistant Professor of Political Science* 1502 Bivins Street



- LONDON, ARTHUR HILL, JR., (1932) B.S., M.D.  
*Instructor in Pediatrics* 502 Morehead Avenue
- LONDON, FRITZ, (1938) Ph.D.  
*Professor of Theoretical Chemistry* 1308 Markham Avenue
- LOWNDES, CHARLES LUCIEN BAKER, (1934) A.B., LL.B., S.J.D.  
*Professor of Law* 2016 Club Boulevard
- LUNDEBERG, OLAV, (1931) A.B., A.M., Ph.D.  
*Associate Professor of Romance Languages* 127 Pinecrest Road
- LUNDHOLM, HELGE, (1930) Fil. Kand., Fil. Lic., Ph.D.  
*Professor of Psychology* 803 Second Street
- LYMAN, RICHARD S., (1940) A.B., M.D.  
*Professor of Psychiatry and Mental Health* Duke University
- McBRYDE, ANGUS, (1931) B.S., M.D.  
*Assistant Professor of Pediatrics* 1522 Hermitage Court
- McCAIN, PAUL PRESSLY, (1933) A.B., M.D.  
*Assistant Professor of Medicine* Southern Pines, N. C.
- McCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.  
*Instructor in History* 1208 Arnette Avenue
- McCREA, FORREST DRAPER, (1930) B.S., M.S., Ph.D.  
*Associate Professor of Physiology and Pharmacology* 1023 Demarius Street
- McDERMOTT, MALCOLM, (1930) A.B., LL.B.  
*Professor of Law* East Campus
- MCDONALD, ALEXANDER DONALD, (1936) A.B., M.F.A.  
*Assistant Professor of Fine Arts* University Apartments
- McLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M., Ph.D.  
*Instructor in Philosophy* Hillsboro, N. C.
- MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.  
*Professor of Law* Hope Valley
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of History* Myrtle Drive, West Campus
- MANNING, ISAAC HALL, JR., (1937) A.B., M.D.  
*Instructor in Medicine* Chapel Hill, N. C.
- MARTIN, DAVID WILLIAM, (1938) B.S., M.D.  
*Instructor in Pediatrics* Duke Hospital
- MARTIN, DONALD STOVER, (1932) A.B., M.D.  
*Associate Professor of Bacteriology and Associate in Medicine*  
2609 Chapel Hill Boulevard
- MARTIN, ELSIE WILSON, MRS., (1930) A.B., M.S.  
*Professor of Dietetics* 206 Faculty Apartments, East Campus
- MAUGHAN, WILLIAM, (1931) B.S., M.F.  
*Associate Professor of Forest Management* 5 Sylvan Road
- MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.  
*Assistant Professor of German* 142 Pinecrest Road
- MEIER, OTTO, JR., (1934) B.S. in E.E., E.E.  
*Assistant Professor of Electrical Engineering* 916 Monmouth Avenue
- \*MILES, EDWARD ROY CECIL, (1929) B.S., M.A., Ph.D.  
*Assistant Professor of Mathematics* 1028 Gloria Avenue
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M.  
*Associate Professor of English* East Campus
- MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.  
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*Assistant Professor of Physics* 132 Pinecrest Road
- MUENZINGER, KARL F., (1939) A.B., Ph.D.  
*Visiting Professor of Psychology* Duke University
- MULLER, MARY HOEN, (1930) R.N., Anes.  
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- MUNYAN, MERRILL CALVIN, (1934) A.B.  
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- MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M.  
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- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.  
*Associate Professor of History* Hope Valley
- NEURATH, HANS, (1938) Ph.D.  
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- NICHOLSON, WILLIAM MCNEAL, (1935) A.B., M.D.  
*Associate in Medicine and Biochemistry* 812 Anderson Street
- NIELSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.  
*Professor of Physics* 139 Pinecrest Road
- NORDHEIM, LOTHAR WOLFGANG, (1937) Ph.D.  
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*Lecturer in Preventive Medicine and Public Health* Chapel Hill, N. C.
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- ORMOND, JESSE MARVIN, (1923) A.B., B.D., D.D.  
*Professor of Practical Theology* 301 Watts Street
- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.  
*Assistant Professor of Historical Theology* Francis Street
- PARKER, HAROLD TALBOT, (1939) A.B., Ph.D.  
*Instructor in History* University Apartments
- PARSONS, PHILIP BROWER, (1936) B.S., M.D.  
*Instructor in Radiology* Duke Hospital
- PATTERSON, KARL BACHMAN, (1920) A.B., A.M.  
*Assistant Professor of Mathematics* 1024 Monmouth Avenue
- PATTON, LEWIS, (1926) A.B., Ph.D.  
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*Professor of Zoology* Chelsea Circle, Hope Valley
- PEARSE, RICHARD LEHMER, (1935) A.B., M.D.  
*Instructor in Obstetrics and Gynecology* Chelsea Circle, Hope Valley
- PEELE, TALMAGE LEE, (1939) M.D.  
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- PEPLER, CHARLES WILLIAM, (1912) A.B., Ph.D.  
*Professor of Greek* 406 Buchanan Road
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*Assistant Professor of Church History* Pinecrest Road
- PIGAGE, LEO CHARLES, (1938) M.E., M.M.E.  
*Instructor in Mechanical Engineering* 903 Sixth Street
- PINKERTON, MARGARET ISABEL, (1939) R.N., B.S.  
*Dean of the School of Nursing and Professor of Nursing* Nurses Home
- PLUMMER, DAVID EDWIN, (1938) M.D.  
*Instructor in Syphilology* 1102 Virginia Avenue
- POSTON, MARY ALVERTA, (1930) A.M.  
*Instructor in Bacteriology* 512 Watts Street
- POTEAT, JAMES DOUGLASS, (1936) A.B., LL.B., J.S.D.  
*Professor of Law* 1015 Dacian Avenue
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*Instructor in English* 103 Faculty Apartments
- PRATT, JOSEPH GAITHER, (1937) A.B., A.M., Ph.D.  
*Instructor in Psychology* Nation Avenue
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D.  
*Professor of Education* Myrtle Drive, West Campus
- QUYNN, DOROTHY MACKAY, MRS., (1930) A.B., A.M., Docteur de l'Université  
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*Assistant Professor of History* Woodridge Drive, Rockwood
- QUYNN, WILLIAM ROGERS, (1930) B.A., M.A., Ph.D.  
*Assistant Professor of Romance Languages* Woodridge Drive, Rockwood
- RANEY, RICHARD BEVERLY, (1934) A.B., M.D.  
*Associate in Orthopaedics* Bland Apartments
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- RANKIN, WATSON SMITH, (1930) M.D.  
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*Professor of Mathematics* 1011 Gloria Avenue
- RATCHFORD, BENJAMIN ULYSSES, (1928) B.S., A.M., Ph.D.  
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- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.  
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*Instructor in Preventive Medicine and Public Health* Chapel Hill, N. C.
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*Assistant Professor of Mathematics* Legion Avenue, Tuscaloosa Forest
- ROBERTS, LOUIS CARROLL, (1933) B.S., M.D.  
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- ROGERS, ROBERT S., (1937) A.B., A.M., Ph.D.  
*Professor of Latin* 1008 W. Trinity Avenue
- ROPP, THEODORE, (1938) A.B., A.M., Ph.D.  
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- SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D.  
*Assistant Professor of Chemistry* 707 Club Boulevard
- SCATES, DOUGLAS EDGAR, (1939) A.B., Ph.D.  
*Associate Professor of Education* 600 N. Gregson Street
- SCHULZE, WILLIAM, (1936) B.S., M.D.  
*Instructor in Medicine* Duke Hospital
- SCHUMACHER, FRANCIS X., (1937) B.S.  
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- SEELEY, WALTER JAMES, (1925) E.E., M.S.  
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- SHEPHERD, HAROLD, (1939) A.B., J.D.  
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- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.  
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\*\* Absent on leave, 1937—.

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- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D., D.D.  
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- SPONER, HERTHA, (1935) Ph.D.  
*Professor of Physics* 813 Second Street
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- STILL, BAYRD, (1938) A.B., A.M., Ph.D.  
*Assistant Professor of History* Erwin Apartments
- STINESPRING, WILLIAM FRANKLIN, (1936) B.A., M.A., Ph.D.  
*Associate Professor of Old Testament* 1107 Urban Avenue
- SUGDEN, HERBERT WILFRED, (1929) A.B., A.M., Ph.D.  
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- SUNDERLAND, ELIZABETH READ, (1939) A.B., A.M., Ph.D.  
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- SWETT, FRANCIS HUNTINGTON, (1929) A.B., M.A., Ph.D.  
*Professor of Anatomy* Hope Valley
- SYDNOR, CHARLES SACKETT, (1936) A.B., Ph.D.  
*Professor of History* 116 Pinecrest Road
- TAYLOR, ALTON ROBERT, (1939) B.S., Ph.D.  
*Research Associate in Surgery* Duke Hospital
- TAYLOR, HAYWOOD MAURICE, (1930) B.S., M.S., Ph.D.  
*Associate Professor of Biochemistry and Toxicology* University Drive, Rockwood
- THEISS, ERNEST S., (1939) B.S. in M.E., M.S.  
*Instructor in Mechanical Engineering* Southgate Dormitory
- THOMAS, JOSEPH MILLER, (1930) A.B., Ph.D.  
*Professor of Mathematics* Hope Valley
- THOMAS, WALTER LEE, JR., (1937) A.B., M.A., M.D.  
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- THOMSON, ROY BERTRAND, (1938) B.S., M.F., Ph.D.  
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- TRUESDALE, JAMES N., (1930) A.B., A.M., Ph.D.  
*Instructor in Greek* Duke University
- TUCKER, GORDON H., (1939) B.S., M.S., Ph.D.  
*Instructor in Zoology* Chapel Hill, N. C.
- UPCHURCH, SAMUEL EARLE, (1933) B.A., M.D.  
*Instructor in Surgery* Duke Hospital
- VAIL, CHARLES ROWE, (1939) B.S. in E.E.  
*Instructor in Electrical Engineering* 1007 W. Trinity Avenue
- VANCE, MARY HENDREN, MRS., (1926) A.B., A.M.  
*Assistant Professor of English* 208 Watts Street
- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D.  
*Professor of German* 2114 Myrtle Drive, West Campus
- VON BECKERATH, HERBERT, (1935) Ph.D.  
*Professor of Economics and Political Science* Hope Valley
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.  
*Professor of Chemistry* 2319 Englewood Avenue
- WACKERMAN, ALBERT EDWARD, (1938) B.S., M.F.  
*Professor of Forest Utilization* 110 Forest Wood Drive
- WADE, WALLACE, (1931) A.B.  
*Director of Physical Education, Trinity College* Myrtle Drive, West Campus
- WALLACE, WILLIAM STUART, (1938) A.B., M.D.  
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*Associate Professor of Romance Languages* 1012 Green Street
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*Assistant Professor of English* 110 Pinecrest Road
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- WATSON, RICHARD L., JR., (1939) A.B., Ph.D.  
*Instructor in History* 1104 Watts Street
- WAY, VERNON ELGIN, (1930) A.B., A.M., M.A.  
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- WELFLING, WELDON, (1936) A.B., A.M., Ph.D.  
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*Assistant Professor of English* 1001 Lamond Avenue
- WHARTON, GEORGE WILLARD, JR., (1939) B.S., Ph.D.  
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- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D.  
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- WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.  
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- YATES, ANNE, (1933) A.B., A.M., Ph.D.  
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- YOUNGSTROM, KARL ARDEN, (1937) A.B., M.A., Ph.D.  
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- ZENER, KARL EDWARD, (1928) Ph.B., A.M., Ph.D.  
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- 
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- BATCHELDER, MARION FRANCIS, (1930) R.N.  
*Instructor in Nursing Administration and Supervision* Duke Hospital
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- COLLOMS, LESTER HUBERT, (1939) A.B., B.D.  
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*Instructor (Part-time) in English (Second Semester)* Duke University
- HINVES, EDITH, (1934) R.N.  
*Instructor in Nursing Supervision* Nurses Home
- LAYNE, MARY ELIZABETH, (1939) B.S.  
*Instructor (Part-time) in Mathematics* Duke University



- MACCOLL, SYLVIA HAZELTON, (1938) A.B., M.A., Ph.D.  
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- MARTIN, WILLARD EDGAR, JR., (1937) A.B., A.M.  
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- MORWITZ, ERNEST M., (1939) D. Jur.  
*Teaching Fellow in Hellenistic Religions* 2110 Wilson Street
- OSTWALT, JAY HAROLD, (1939) A.B., A.M.  
*Instructor (Part-time) in Education* Duke University
- ROBINSON, ALICE, (1939) A.B., M.A.  
*Instructor (Part-time) in Fine Arts* 1206 Markham Avenue
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PATTEE, CHAUNCEY JOHNSON, (1939) B.A., M.S., M.D.C.M. <i>Research Fellow in Endocrinology</i>	Duke Hospital
PETTUS, WILLIAM HENRY, JR., (1937) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
PHILLIPSON, ELMA O., (1938) A.B., M.A. <i>Assistant in Medical Social Service</i>	209 Buchanan Road
RAY, RUSSELL BEVERLEY, (1939) B.A., M.D. <i>Assistant in Surgery and Anatomy</i>	Duke Hospital
ROSS, LAURA EUGENIA, (1938) A.B., M.D. <i>Assistant in Pediatrics</i>	Duke Hospital
SARETT, HERBERT PAUL, (1939) B.A., M.S. <i>Assistant in Biochemistry</i>	House FF, Duke University
SCHLAYER, CLOTILDE, (1937) M.D. <i>Research Assistant in Medicine</i>	Washington Duke Hotel
SEALY, WILL CAMP, (1936) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
SMITH, PRESTON, (1932) <i>Assistant in Clinical Microscopy</i>	114 E. Seeman Street
STEVENS, JOSEPH BLACKBURN, (1936) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
STROUD, GEORGE MERRITT, (1938) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
STUART, CHRISTOPHER, JR., (1936) M.D. <i>Assistant in Urology</i>	Duke Hospital
STUBBS, ALSTON, (1935) A.B., LL.B., LL.M. <i>Assistant in Legal Aid Clinic</i>	University Apartments

THETFORD, JOSEPH DIMMICK, (1939) M.D. <i>Assistant in Medicine</i>	Duke Hospital
THOMAS, JUNE B., (1937) A.B., M.D. <i>Assistant in Student Health</i>	210 Faculty Apartments
VAN ARSDALL, CONDIT BREWER, JR., (1938) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
WEBSTER, NELSON MORTIMER, (1938) M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
WELLS, WARNER LEE, (1938) M.D. <i>Assistant in Surgery</i>	Duke Hospital
WHILDIN, JAMES GRIFFITH, (1939) B.S., M.D. <i>Research Fellow, National Cancer Institute, in Pathology</i>	Duke Hospital
WILLIAMS, PAUL M., (1938) M.D. <i>Assistant in Medicine</i>	Duke Hospital
WISE, NANCY BOWMAN, (1937) A.B., M.D. <i>James A. Greene Research Fellow in Medicine and Bacteriology</i>	University Apartments
WOOD, WILLIAM REED, (1939) B.S., M.D. <i>Assistant in Student Health</i>	Duke Hospital

**INSTRUCTIONAL ASSISTANTS IN PHYSICAL EDUCATION  
TRINITY COLLEGE**

CALDWELL, HERSCHEL, (1930) <i>Instructor in Physical Education; Coach of Freshman Sports</i>	1023 Markham Avenue
CAMERON, EDMUND McCULLOUGH, (1926) A.B. <i>Instructor in Physical Education; Head Coach of Varsity Basketball; Assistant Coach of Football</i>	Hope Valley
CARD, WILBUR WADE, (1902) A.B. <i>Instructor in Physical Education</i>	1110 Minerva Avenue
CHAMBERS, ROBERT LUTHER, (1933) B.S. in Ed. <i>Instructor in Physical Education; Head Coach of Varsity Track</i>	2633 Chapel Hill Road
CLARK, MORRIS McCAULEY, (1939) A.B. <i>Assistant Instructor in Physical Education</i>	206 Watts Street
COOMBS, JOHN WESLEY, (1929) B.S. <i>Instructor in Physical Education; Head Coach of Varsity Baseball</i>	101 House DD, Craven Quadrangle
CRICHTON, MARSHALL, (1931) <i>Instructor in Golf</i>	Hope Valley
DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	University Apartments
FOGLEMAN, WILLIAM HARRY, (1935) <i>Instructor in Physical Education; Coach of Tennis</i>	University Apartments
GERARD, KENNETH, (1931) B.S. <i>Instructor in Physical Education; Director of Intramural Sports</i>	1209 North Duke Street
HAGLER, ELLIS, (1930) A.B. <i>Instructor in Physical Education; Coach of Varsity Golf; Assistant Coach of Football</i>	911 Arnette Avenue
HILL, DAN WINFIELD, JR., (1939) A.B. <i>Assistant in Physical Education</i>	206 Watts Street
LEWIS, HUBERT MURRY, (1937) B.S. <i>Assistant Instructor in Physical Education and Track</i>	Duke University



- PERSONS, WALTER, (1930)  
*Instructor in Physical Education; Coach of Swimming* 104 Erwin Apartments
- STANLEY, DENNIS KEITH, (1939) A.B.E., M.Ed.  
*Instructor in Physical Education; Assistant  
 Coach of Football* University Apartments
- WARREN, ADDISON, (1931) A.B.  
*Assistant Instructor in Physical Education* 115 Dillard Street

**INSTRUCTIONAL ASSISTANTS IN PHYSICAL EDUCATION  
 THE WOMAN'S COLLEGE**

- \*BOOKHOUT, ELIZABETH CIRCLE, MRS., (1932) A.B., M.S.  
*Instructor in Physical Education* 1307 Alabama Avenue
- DOWLING, MARY LOUISE, (1937) B.S.  
*Instructor in Physical Education* K-2-B University Apartments
- LEWIS, MARTHA MODENA, (1933) B.S.  
*Instructor in Physical Education* 207 Watts Street
- ROGERS, HARRIET ROWLEY, MRS., (1939) B.S., M.A.  
*Instructor in Physical Education* 814 Second Street
- WYCHE, ALMA VIRGINIA, (1930) A.B., M.S.  
*Instructor in Physical Education* 202 Erwin Apartments

**THE UNIVERSITY LIBRARIES**

- BRANSCOMB, BENNETT HARVIE, A.B., B.A., M.A., Ph.D., Litt.D.  
*Director of Libraries* Hope Valley

**UNIVERSITY LIBRARY**

- BREEDLOVE, JOSEPH PENN, A.B., A.M.  
*Librarian Emeritus* 407 Watts Street
- LUND, JOHN JORGENSEN, A.B., Ph.D., Certificate of Librarianship  
*University Librarian* 1015 Gloria Avenue
- MALONE, EVA EARNSHAW, A.B., B.S.  
*Assistant Librarian and Head of Catalogue Department* 512 Watts Street
- NUERMBERGER, GUSTAVE ADOLPH, A.B., A.M., Ph.D., Certificate of Librarianship  
*Head of Reference Department* 1604 B Street
- PRATT, ELLIS CARL, A.B., A.B. in L.S.  
*Head of Circulation Department* 2032 Englewood Avenue
- TAUBE, MORTIMER, A.B., Ph.D., Certificate of Librarianship  
*Head of Order Department* University Apartments

- BEVERS, MRS. EARL (GENEVA SATTERWHITE)  
*Assistant, Order Department* 723 Holloway Street
- BRITZ, MATTHEW, A.B.  
*Assistant in Charge, Graduate Reading Room* M-04 Duke University
- BURCH, VELLA JANE, A.B., A.M., B.A. in L.S.  
*Cataloguer* 316 N. Elizabeth Street
- COVINGTON, LENA, A.B., A.B. in L.S.  
*Classifier* 1008 Monmouth Avenue
- CREWS, SUDIE ELIZABETH  
*Accessions Librarian* 1004 West Trinity Avenue

\* Resigned, November 5, 1939.

- DOUGLAS, ELINOR, A.B., M.A.  
*Assistant, Periodical Room* 2114 Myrtle Drive
- DUKE, MRS. KENNETH L.  
*Secretary to the University Librarian* 2035 Englewood Avenue
- \*FRAZIER, ROSE MARIE, B.S., B.M., A.B.  
*Cataloguer, Documents Room* 702 Buchanan Road
- FREY, ELLEN, B.A., M.A.  
*Reference Librarian* 905 Second Street
- GREENE, JANE, A.B., B.A. in L.S.  
*Order Librarian* 1004 West Trinity Avenue
- HIX, EDWIN JONATHAN, A.B.  
*Circulation Librarian* 1303 Duke University Road
- HOPKINS, BERTHA, B.S., A.B. in L.S.  
*Cataloguer* No. 6 Bickett Apartments
- \*\*IZARD, ANNE REBECCA, A.B.  
*Cataloguer* 1011 Monmouth Avenue
- JAFFÉ, LILLIAN DOROTHY  
*Assistant, Catalogue Department* 704 Roxboro Street
- JETT, FLORENCE LEIGH, A.B., A.B. in L.S.  
*Gift and Exchange Librarian* 1011 Monmouth Avenue
- KIMBALL, MRS. RALPH (MILDRED MYERS), A.B., B.S. in L.S.  
*Cataloguer and Classifier* 2115 Club Boulevard
- KLEIN, MRS. J. RAYMOND, Certificate of Librarianship  
*Cataloguer* 924 Green Street
- LAND, PHOEBE, A.B., B.S.  
*Cataloguer* 407 Watts Street
- LEWIS, EVELYN, B.S.  
*Cataloguer* No. 6 Bickett Apartments
- \*\*\*MCCLENNY, MARGUERITE, A.B.  
*Assistant, Catalogue Department* 903 Monmouth Avenue
- MANNING, JULIA BYE, A.B.  
*Secretary to the Director of Libraries* 208 Buchanan Road
- MATTHEWS, MRS. JOHN F. (MARY GUAGENTY), A.B., M.A.  
*Assistant in Charge, Chemistry Library* 1020 Monmouth Avenue
- MAULTSBY, KATHLEEN, A.B.  
*Binding Assistant, Order Department* 1314 Broad Street
- MERRITT, GERTRUDE, A.B.  
*Serials Librarian, Order Department* 1907 Club Boulevard
- MONIER, EUGENIE  
*Assistant in Charge, Engineering Library* 1020 Monmouth Avenue
- MORGAN, MRS. JASPER (KATHERINE MORGAN), A.B.  
*Assistant in Charge, Physics-Mathematics Library* University Apartments
- NUERMBERGER, MRS. GUSTAVE A. (RUTH KETRING), A.B., A.M., Ph.D., Certificate of L.S.  
*Curator, Manuscript Department* 1604 B Street
- OATHOUT, MELVIN, A.B., A.B. in L.S.  
*Librarian in Charge, Undergraduate Reading Room* 1021 Gloria Avenue
- OGDEN, CATHERINE, A.B., B.S. in L.S.  
*Bibliographer, Order Department* 1111 Urban Avenue
- OYLER, HELEN, A.B., B.S. in L.S.  
*Head Classifier* 210 West Trinity Avenue

\* On leave, February 1 to September 1, 1940.

\*\* On leave, 1939-1940.

\*\*\* Resigned, October 31, 1939.

- PARKER, WIXIE ELMA, A.B., B.S. in L.S.  
*Librarian in Charge, Periodical Room* 103 Erwin Apartments
- PICKEN, MRS. ROBERT L., JR., A.B.  
*Assistant, Catalogue Department* 808 Third Street
- POOLE, MARY ELIZABETH, A.B., B.A. in L.S.  
*Documents Librarian* 407 Watts Street
- RAMAGE, MARY ALLENE, A.B., B.A. in L.S.  
*Librarian in Charge, Newspaper Room* 1003 Monmouth Avenue
- REID, MRS. JOHN T. (DORCAS WORSLEY), A.B. Certificate of Librarianship  
*Documents Librarian* 2613 University Drive
- ROBERTS, MRS. WESLEY (DORA YOUNG)  
*Assistant, Catalogue Department* Hillsboro, N. C.
- ROSE, MRS. JESSE (ETHEL ABERNETHY), A.B.  
*Cataloguer and Classifier* 603 Watts Street
- SHUFORD, MARY OPAL, A.B.  
*Assistant, Catalogue Department* 805 Sixth Street
- STALLCUP, MARY JANE, B.S., B.A. in L.S.  
*Cataloguer and Classifier* No. 6 Bickett Apartments
- STRICKLAND, ERMA  
*Assistant, Order Department* 1105 Fern Street
- STROWD, ANNE, A.B.  
*Reference Librarian* 901 Mangum Street
- TATUM, WILLIAM GILCHRIST, JR., A.B.  
*Circulation Librarian* 1200 Markham Avenue
- \*THOMPSON, SARAH WRAY, A.B.  
*Order Librarian* 208 Buchanan Road
- TILLEY, NANNIE M., A.B., A.M., Ph.D.  
*Assistant Curator, Manuscript Department* 2313 Club Boulevard
- WESCOTT, MARY, A.B., B.S.  
*Head Cataloguer* 1008 Monmouth Avenue
- WILKERSON, MRS. LUTHER C. (LULA HUNT)  
*Secretary to the Librarian Emeritus* 1001 Monmouth Avenue
- WOODALL, EVA AVERY, A.B.  
*Librarian in Charge, School of Religion Library* 1003 Monmouth Avenue
- WYNNE, MARJORIE, A.B.  
*Assistant in Charge, Biology Library* 506 Buchanan Road

## WOMAN'S COLLEGE LIBRARY

- GRIGGS, LILLIAN BAKER, MRS., B.A. in L.S.  
*Librarian* 915 Monmouth Avenue
- 
- FAUCETTE, MARY ELIZABETH, A.B., A.B. in L.S.  
*Assistant, Circulation Department* 610 East Trinity Avenue
- HARRISON, EVELYN JENNINGS, A.B., B.S. in L.S.  
*Head Cataloguer* 1008 Monmouth Avenue
- HICKS, MRS. SPEARS, A.B., A.B. in L.S.  
*Reference Librarian* 121 West Seeman Street
- MONTGOMERY, MARGARET ELIZABETH, A.B., A.B. in L.S.  
*Periodicals Librarian* 205 Faculty Apartments, East Campus
- MURPHY, VIRGINIA BARDWELL, A.B., A.B. in L.S.  
*Cataloguer* 1023 Gloria Avenue
- TUDOR, FRANCES, A.B., B.S. in L.S.  
*Circulation Librarian* 207 Watts Street

\* Resigned, February 29, 1940.

## LAW LIBRARY

ROALFE, WILLIAM ROBERT, LL.B. <i>Librarian</i>	111 W. Seeman Street
<hr/>	
COVINGTON, MARY SIMMONS, A.B., LL.B. <i>Research Librarian</i>	Faculty Apartments
DAY, KATHERINE, B.S. <i>Assistant Cataloguer</i>	512 Watts Street
LONG, MARIANNA, A.B., B.S. in L.S. <i>Head Cataloguer</i>	1008 Monmouth Avenue
STUBBS, HAZEL MANGUM, MRS. <i>Assistant in Order Division</i>	University Apartments
WALKER, ANNIE CARPENTER, MRS. <i>Secretary to the Librarian</i>	2121 West Pettigrew Street

## MEDICAL SCHOOL LIBRARY

FARRAR, JUDITH, A.B., B.S. <i>Librarian</i>	177 Faculty Apartments, East Campus
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## UNIVERSITY CHAPEL

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D. <i>Dean of the Chapel</i>	823 Buchanan Road
<hr/>	
BARNES, JAMES FOSTER, A.B., A.M. <i>Director of Choral Music</i>	703 Watts Street
BREES, ANTON <i>University Carillonner</i>	Pickett Road
BROADHEAD, EDWARD HALL, A.B., A.M., M.M. <i>University Organist</i>	2614 Chapel Hill Road
CLEAVELAND, FREDERIC NEILL, A.B. <i>Assistant in Religious Activities</i>	Duke University
WILLIAMS, DENNY, A.B. <i>Assistant in Religious Activities</i>	Duke University

## PHYSICAL EDUCATION AND STUDENT HEALTH

WADE, WALLACE, A.B. <i>Director of Physical Education, Trinity College</i>	West Campus
GROUT, JULIA REBECCA, A.B., M.S. <i>Assistant Professor of Physical Education, Woman's College</i>	205 Jones Street
SPEED, JOSEPH ANDERSON, M.D. <i>Director of Student Health</i>	913 Dacian Avenue
FLETCHER, JUNE THOMAS, MRS., A.B., M.D. <i>Physician, Woman's College</i>	
PAGE, WRAY RAMSEY, MRS., (1928) R.N. <i>Resident Nurse</i>	East Campus Infirmary
VESTAL, MOZELLE, (1931) R.N. <i>Resident Nurse</i>	East Campus Infirmary

## SOCIAL AND MUSICAL ACTIVITIES

BARNES, EVELYN, B.S. <i>Head of Alspaugh House</i>		Alspaugh House
BARNES, JAMES FOSTER, MRS. <i>Director of the Woman's College Musical Clubs</i>		703 Watts Street
CHAFFIN, NORA CAMPBELL, A.B., A.M. <i>Head of Bassett House</i>		Bassett House
FEARING, ROBERT BEVERIDGE <i>Director of the College Orchestras and Band</i>		410 Watts Street
FREEMAN, MAY, A.B. <i>Head of Aycock House</i>		Aycock House
KESTLER, MARY, A.B., A.M. <i>Head of Jarvis House</i>		Jarvis House
PEMBERTON, MARY NORCOTT, MRS. <i>Hostess, West Campus Union</i>	Kilgo Quadrangle, West Campus	
TAYLOR, HARRIET, MRS. <i>Head of Giles House</i>		Giles House
<hr/>		
UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B. <i>Financial Adviser, Student Activities</i>		Faculty Apartments

## FELLOWS AND GRADUATE ASSISTANTS

## UNIVERSITY FELLOWS

BENNETT, JOHN BOYCE A.B., Wofford College; B.D., Duke University	Religion	K-1-C University Apts.
BRACH, EARL TILTON A.B., Duke University	Greek	1106 Chapel Hill St.
*BRANDIS, ROLAND BUFORD, JR. A.B., University of Richmond; A.M., Duke University	Economics	808 N. Gregson St.
BRESLOW, DAVID SAMUEL B.S., College of the City of New York	Chemistry	07-HH
CAIN, HERBERT LLOYD A.B., Southwestern; A.M., Duke University	Greek	1107 Minerva Ave.
CARPER, DORIS VIOLA B.S., Farmville State Teachers College	Education	116 Buchanan Road
CAUSEY, NELLE BEVEL B.S., College of the Ozarks; A.M., University of Arkansas	Zoology	306 Faculty Apts.
DETURK, WILLIAM ERNEST A.B., A.M., University of Illinois	Zoology	2715 Chapel Hill Rd.
DUKE, KENNETH LINDSAY A.B., Brigham Young University	Zoology	2035 Englewood Ave.
GILBERT, PAUL WILNER A.B., A.M., University of Rochester	Mathematics	Box 5053, Duke Station
HAMILTON, JAMES DAVID TILMAN A.B., A.M., University of Mississippi	History	010-HH
**HEYWARD, MARY ANNE A.B., Duke University	English	102 Faculty Apts.
HOPKINS, JAMES FRANKLIN A.B., University of Mississippi; A.M., University of Kentucky	History	010-HH

\* Resigned, November 15, 1939.

\*\* Resigned, February 6, 1940.

JOHNSTON, GEORGE WASHINGTON	Botany	1021 Markham Ave.
B.S., M.S., Mississippi State College		
*LIMOUBE, ARTHUR SANFORD	English	212-HH
A.B., College of Wooster; A.M., Columbia University		
LUTTRELL, EVERETT STANLEY	Botany	1004 Minerva Ave.
B.S., University of Richmond; A.M., Duke University		
MARYOTT, ARTHUR ALLEN	Chemistry	221-HH
A.B., Duke University		
PARK, ROBERT DEFOREST	Physics	115-HH
A.B., Oberlin College		
RICHARDS, JAMES AUSTIN, JR.	Physics	Nation and Driver Aves.
A.B., Oberlin College		
RUSSELL, CHARLES DANIEL, JR.	Chemistry	209-HH
B.S., Niagara University; M.S., California Institute of Technology		
SKELL, PHILIP	Chemistry	04-HH
B.S., College of the City of New York		
SMITH, CLARENCE MCKITTRICK, JR.	History	09-HH
A.B., B.Mus., Newberry College; A.M., Harvard University		
STROUPE, HENRY SMITH	History	Box 4992, Duke Station
B.S., A.M., Wake Forest College		
STURM, ALBERT LEE, JR.	Political Science	225-HH
A.B., Hampden-Sydney College; A.M., Duke University		
WADE, LUTHER IRWIN	Mathematics	Box 4616, Duke Station
A.B., Duke University		
WOLLMAN, SEYMOUR HORACE	Physics	Physics Dept.
B.S., M.S., New York University		
WOOD, FREDERIC MARCUS, JR.	Latin	1107 Minerva Ave.
A.B., Western Reserve University; A.M., Duke University		

#### BROOKINGS-DUKE FELLOWS

HARGREAVES, HERBERT WALTER	Economics	Washington, D. C.
A.B., University of Nevada; A.M., Clark University		
LEATH, JAMES MILTON	Political Science	Washington, D. C.
A.B., Austin College; A.M., Southern Methodist University		

#### GRADUATE ASSISTANTS

ABRAMOVITCH, BENJAMIN	Chemistry	011-HH
B.S., McGill University		
ALLEN, CLARK LEE	Economics	910 Arnette Ave.
A.B., McKendree College; A.M., Washington University		
AYRES, ERLE BINGHAM	Chemistry	02-HH
B.S., A.M., Boston University		
**BARNES, JACK CARLISLE	English	201 Epworth
A.B., Duke University		
BECK, LLOYD HENRY	Psychology	01-HH
A.B., A.M., Oberlin College		
BIZZELL, WILLIAM HARDY	Economics	118-HH
B.S., Millsaps College		
BOYER, CHARLES CHESTER	Zoology	303 Swift Ave.
B.S., St. Bonaventure College		
BROWN, CATHERINE ELLA	Economics	303-C Faculty Apts.
A.B., Colorado College		

\* Resigned, November 3, 1939.

\*\* Second semester only.



BROWN, MARY ELLEN A.B., Goucher College	Philosophy	303-B Faculty Apts.
BURNS, WAYNE A.B., Miami University	English	2200 Chapel Hill St.
CAMPBELL, PHILIP STORER B.S. Bowdoin College	English	117-HH
CARR, THOMAS DEADERICK B.S., University of Florida	Physics	127-HH
CASKEY, JAMES EDWARDS, JR. B.S., Furman University	Mathematics	118-HH
CIVIN, PAUL A.B., University of Buffalo	Mathematics	208-HH
COLEMAN, MAYBELLE A.B., Lander College; A.M., Columbia University	Sociology	113 Faculty Apts.
COLLEY, FRANK HARRIS A.B., A.M., Duke University	History	Box 4862, Duke Station
COLLOMS, LESTER HUBERT A.B., Emory and Henry College; B.D., Emory University	Religion	1018 Monmouth Ave.
DECKER, JOHN PETER B.S., University of Idaho	Botany	Botany Department
DERR, PAUL FRANKLIN B.S., A.M., Duke University	Chemistry	08-HH
DOUGLASS, ANN ELIZABETH A.B., Swarthmore College	Psychology	215A Faculty Apts.
*DOWLING, ARTHUR JOSEPH, JR. A.B., Duke University	English	1010 W. Trinity Ave.
DUNCAN, HARRY ALVIN, JR. A.B., Grinnell College	English	1000 Lamond Ave.
ELMER, ROBERT WATSON A.B., Amherst College; A.M., Syracuse University	English	1603 Duke Univ. Rd.
FLEMISTER, LAUNCELOT JOHNSON, JR. A.B., A.M., Duke University	Zoology	1018 Gloria Ave.
**GARNER, WILLIAM NELSON B.S., Bethany College	Zoology	614 Arnette Ave.
GILMORE, PATRICIA MARY A.B., Smith College	English	308-C Faculty Apts.
GOULD, ROBERT KENT A.B., A.M., Duke University	Chemistry	08-HH
HADLEY, ELBERT HAMILTON B.S., M.S., University of Michigan	Chemistry	221-HH
HALL, MAURICE BARKER B.S., M.S., Brigham Young University	Physics	Physics Department
HARDCASTLE, AARON BASCOM A.B., A.M., University of Richmond	Zoology	2410 Club Blvd.
HARDENDORFF, VICTOR HALL A.B., Amherst College	English	212-HH
HOLDER, RAY A.B., A.M., University of Mississippi	Religion	1014 Lamond Ave.
HOLDER, VIRGINIA LEE SMART A.B., Randolph-Macon Woman's College; A.M., Duke University	Latin	1014 Lamond Ave.

\* Resigned, February 14, 1940.

\*\* Resigned, January 12, 1940.

HOOPES, LUTHER HARTMAN A.B., Catawba College	English	124-HH
HORTON, PAUL BURLEIGH A.B., Kent State University	Sociology	403-GG
HUDSON, BOYD ELLYSON, JR. A.B., Duke University	Chemistry	2500 Club Blvd.
HUMPHREYS, MARY EMILY A.B., Western Maryland College; A.M., Duke University	Botany	102 Faculty Apts.
JOHNSTON, ROBERT WARD A.B., Davidson College	Education	113 Epworth
JONES, JAMESON MILLER A.B., Southwestern; B.D., Louisville Presbyterian Theological Seminary	Religion	105-GG
KEEFFE, DANIEL JOSEPH A.B., Louisiana State University	English	201-GG
KING, EMILY BARTON A.B., Converse College; A.M., Duke University	Romance Languages	302 Faculty Apts.
KOCH, SIGMUND A.B., New York University; A.M., State University of Iowa	Psychology	905 Sixth Street
LENANDER, HARLAN EDWARD A.B., Southwestern	Physics	113-HH
LETHBRIDGE, BERRY BICCOMB, JR. B.S., Franklin and Marshall College	Economics	1023 Gloria Ave.
LIVINGSTON, ROBERT BLAIR A.B., Colorado College	Botany	012-HH
MCADAMS, LAURA JEAN A.B., Erskine College; A.M., University of South Carolina	Romance Languages	Faculty Apts.
MCDUGALL, KENNETH DOUGAL Duke University	Zoology	Box 701, College Station
MARCUM, JAY MARSHALL A.B., Western Kentucky State Teachers College	Economics	402-GG
*MILES, FRANK FRODSHAM A.B., University of Washington	Sociology	1501 E. Main St.
MITCHELL, WILLIAM ALEXANDER B.S., Clemson Agricultural College	Political Science	015-HH
MONROE, ROGER CLIFFORD A.B., Bradley Polytechnic Institute; A.M., University of Florida	Education	708 Buchanan Rd.
MOORE, THOMAS HAYES B.S., Roanoke College	Economics	115 Epworth
NEELANDS, CHARLES WESLEY A.B., Queen's University; B.D., Queen's Theological College	Religion	1014 Lamond Ave.
PATTERSON, JAMES REID B.S., Davidson College	Physics	1007 Green St.
PETHICK, MARY GRACE A.B., Duke University	Botany	1021 Minerva Ave.
RAMSEY, HELEN JOYCE B.S., M.S., Purdue University	Zoology	302 Faculty Apts.
ROBERG, JANE B.S., University of Washington	Physics	216 Faculty Apts.
RUTLEDGE, IVAN CATE A.B., Carson-Newman College	Political Science	026-HH
SCHULTZ, HAROLD A.B., Columbia University	History	125-HH

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\* Resigned, December 12, 1939.



SHANNON, EDGAR FINLEY, JR. A.B., Washington and Lee University	English	E-1-B University Apts.
*SINGLETARY, WILLIAM EDWARD A.B., Duke University	English	314-GG
STAINBROOK, EDWARD JOHN A.B., Allegheny College	Psychology	117 Epworth
**STARLING, JAMES HOLT A.B., A.M., University of Alabama	Zoology	F-1-A University Apts.
STEELE, ALPHEUS THORNTON A.B., Municipal University of Wichita	Economics	303 Swift Ave.
***TATE, RUSSELL SAGE, JR. †A.B., University of Richmond; A.M., Duke University	Economics	918 Urban Ave.
**TEAGARDEN, LUCETTA JANE A.B., Wilson College	English	305 Faculty Apts.
**THOMASSON, BETTY MARCHANT A.B., Meredith College	English	215 B. Faculty Apts.
WATTS, DANIEL THOMAS A.B., Elon College	Zoology	121-HH
WATTS, HESSIE BRAWLEY A.B., A.M., Duke University	English	306 Faculty Apts.
WILLIAMS, MELVIN JOHN A.B., B.D., Duke University	Sociology	1110 W. Chapel Hill St.
WOLF, MARY HUBBARD A.B., Mount Holyoke College	Zoology	924 Urban Ave.
WRIGHT, ERNEST BASKIN A.B., University of Alabama; A.M., University of Wisconsin	Political Science	1215 Sixth St.

## GRADUATE SCHOLARS

AHLSTROM, JOHN DILLINGHAM A.B., Williams College	History	120-HH
BAILEY, JAMES EUGENE A.B., Duke University	Romance Languages	313-GG
BARRETT, WILLIAM ROBERT, JR. A.B., The Citadel	German	216-HH
BURROWS, EDWARD FLUD A.B., Washington and Lee University	History	023-HH
CLEVELAND, LESLIE JOSEPH A.B., Carleton College	History	015-HH
DIBELER, VERNON HAMILTON B.S., Duke University	Chemistry	214-HH
DOWNTON, JAMES BERTRAM A.B., University of Buffalo	Greek	1505 Duke Univ. Rd.
FAIRES, ROBERT EDGERTON B.S., Ohio University	Physics	217-HH
FEAGINS, CARROLL SPURGEON A.B., Duke University; A.M., University of Michigan	Philosophy	024-HH
FEW, KENDRICK SHEFFIELD A.B., Duke University	English	Duke Station
FLORA, WILLIAM EVANS SHERLOCK A.B., College of Wooster; A.M., Duke University	Political Science	1411 B Street

\* Resigned, October 24, 1939.

\*\* Second semester only.

\*\*\* Resigned, December 5, 1939.

† A.M. to be conferred June, 1940.

HELM, ROBERT MEREDITH, JR. A.B., Wake Forest College	Philosophy	114-HH
JENNINGS, LOUIS GIRTON A.B., Franklin and Marshall College	Latin	212-HH
JONES, RALPH GRAY A.B., A.M., Louisiana State University	Political Science	117-HH
*LONG, JOHN WILLIAM, JR. A.B., Dickinson College; A.M., Duke University	History	2003 Club Blvd.
LYU, KINGSLEY KYUNGSANG A.B., Chosen Christian College; B.S., A.M., Syracuse University	Philosophy	101 Epworth Hall
MCGAUGHRAN, LAURENCE SHIRLEY A.B., University of Louisville	Psychology	211-HH
RAND, ROBERT COLLOM A.B., Duke University	Mathematics	213-HH
RAPP, MARVIN AUGUST A.B., Colgate University	History	111-HH
REIN, WILLIAM CHRISTOPHER A.B., Western Maryland College; M.Ed., Duke University	Education	818 Sixth St.
STRICKLAND, WINIFRED LILLIE B.S., Birmingham-Southern College	Biochemistry	215-A Faculty Apts.
TOOLE, EBEN RICHARD B.S., New York State College of Forestry; A.M., Duke University	Forestry	219-HH
TURNER, PHILIP ALLISON A.B., Hiram College	Romance Languages	016-HH
VAN VOORHIS, ROBERT HENRY A.B., Duke University	Economics	314-HH
WALDRON, ELLIS LEIGH A.B., Ohio State University; A.M., University of Wisconsin	Political Science	017-HH
WEBB, JOHN MAURICE A.B., Duke University; A.M., Yale University	History	1017 W. Trinity Ave.

\* A.M. to be conferred June, 1940.

## THE COLLEGES

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### GENERAL STATEMENT

Duke University offers in Trinity College, the Woman's College, and the College of Engineering three academic degrees for undergraduate work: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Civil, Electrical, or Mechanical Engineering. Ten groups of studies lead to the degree of Bachelor of Arts, and two groups of studies lead to the degree of Bachelor of Science. These groups are designated by Roman numerals in the order in which they are described. For a description of these groups, see the section elsewhere in this catalogue under the topic "Groups of Studies for the Degree of Bachelor of Arts."

### TRINITY COLLEGE

Trinity College is the undergraduate college for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, the School of Nursing, the School of Forestry, and the School of Religion.

### THE WOMAN'S COLLEGE

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

The teachers of the College, many of whom teach also in Trinity College, are members of the University Faculty and are selected in co-operation with the several departments of instruction just as in the case of teachers of Trinity College, thus assuring a uniform educational standard. Graduates of the Woman's College, as graduates of all other colleges and schools within the University, receive their degrees from Duke University.

### THE COLLEGE OF ENGINEERING

Duke University, through the College of Engineering, offers standard four-year courses in civil, electrical, and mechanical engineering. These departments are housed respectively in Bivins, Asbury, and Branson Buildings. The James H. Southgate Memorial Building, set aside for the housing of engineering students, contains social rooms, recitation rooms, gymnasium, dining room, and kitchen, as well as dormitory facilities.

### THE LIBRARIES

The library resources of the University total 569,140 volumes and 580,680 manuscript pieces. Eighty-four foreign and domestic newspapers and 2,874 periodicals are received currently.

The University Library, in which the bulk of the collection is housed, is centrally located on the West Campus. The main Reference and Reading Room on the second floor contains about 6,000 volumes of important reference works. The Undergraduate Reading Room on the first floor, with seats for 180 readers, contains the regular open shelf course reserves and additional books for general collateral reading, the latter available for seven-day loan. This room thus provides an undergraduate reading collection of approximately 3,000 selected volumes. The Documents Room gives students access to the official publications of the federal and state governments. Seniors, honor students, and others undertaking special studies may be admitted to the stacks to facilitate their work. Libraries in the chemistry, physics, biology, and engineering buildings are a special convenience for students in these sciences.

The Woman's College Library, which is one of the dominant units of the Georgian architecture of the East Campus, contains approximately 42,500 volumes. Among these are the books most constantly needed in the undergraduate work of women students. An attractive feature of the Library is the Booklovers' Room, comfortably furnished, where on open shelves students may find the newest books in various fields.

Undergraduate students also have free access to the library collections of the Medical School, Law School, School of Religion, and the College of Engineering.

# ADMISSION TO TRINITY COLLEGE AND THE WOMAN'S COLLEGE

## GENERAL REGULATIONS

Admission to Trinity College and the Woman's College of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability.

## UNITS OF ADMISSION

The academic requirements for admission are defined in terms of units. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily. Credit for fifteen units is required for admission.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

	UNITS		UNITS
English .....	4	Woodworking, Forging, and	
History and Social Studies.....	4	Machine Work.....	2
Latin .....	4	Art .....	1
Mathematics .....	4	Botany .....	1
Spanish .....	3	Chemistry .....	1
French .....	3	Economics .....	1
German .....	3	General Biology.....	1
Greek .....	3	General Science.....	1
Commercial Subjects.....	3	Music .....	1
Agriculture .....	2	Physical Geography.....	1
Household Economics.....	2	Physics .....	1
Mechanical Drawing.....	2	Sociology .....	1
		Zoology .....	1

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

## ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least twelve of the fifteen units required for admission must come from the following:

	UNITS		UNITS
English .....	3 to 4	Mathematics .....	2 to 4
Foreign Language.....	2 to 6	Science .....	1 to 4
History and Social Studies..	1 to 4		

These twelve units must include three in English and two in mathematics. The units in mathematics must include one in algebra and one in plane geometry.

The three additional units necessary to make the required fifteen may come from the list above or from the larger table of units of admission.

#### ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University are required to validate their units by entrance examinations and such other tests as the University may prescribe.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by examinations.

#### ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: all applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester-hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students enrolling for the Bachelor's degree who transfer from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, are under all circumstances required to continue for at least one semester in Trinity College and in the Woman's College the foreign language they present for minimum graduation requirements.

Students who have transferred from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, must present laboratory notebooks in all science courses that are offered for advanced credit.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of

residence not less than the equivalent of four year-courses with an average grade of "C" or higher.

#### FRESHMAN WEEK

The week immediately preceding the opening of college is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given, on the basis of which Freshmen are sectioned in English, mathematics, and foreign languages. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to the new environment. Attendance upon these exercises is required of all Freshmen.

#### SPECIAL STUDENTS

Students of mature age may, upon approval by the Dean, be admitted as special students and allowed to enroll for such work as they are prepared to carry.



# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

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## GENERAL REGULATIONS

The requirements for the degree of Bachelor of Arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty-two semester-hours, on which an average grade of "C" must be made, is required for the degree of Bachelor of Arts in all groups. In addition to these requirements all candidates for the Bachelor of Arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester-hours. In Trinity College the physical education requirement is completed by the end of the Sophomore year; in the Woman's College, by the end of the Junior year.

The Faculty has authorized the groups of studies below for the guidance of students in selecting the work required for graduation. A student is free to choose any group he may desire. The several groups are designed to be of special value in a chosen profession and at the same time to provide a well-balanced course of study. With the approval of the Dean a student may at any time transfer from one group to another. In such transfers, work done in one group and not prescribed in the other will count as general elective credit, but all work prescribed in the new group must be completed before the student can be graduated.

No student is permitted to take less than fourteen semester-hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester-hours) unless his average grade in the preceding semester is higher than "C"; or, under any conditions, to take more than nineteen semester-hours of work, exclusive of required physical education.

On or before the date announced for the spring registration every student is required to designate the group in which he plans to graduate and to arrange his program of courses for the ensuing year. All students, when choosing courses, are urged to seek the advice of instructors in whose departments they expect to receive instruction. No course card is valid until it has the approval of the Dean.

## SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Arts

degree is limited to a maximum of thirty-six semester-hours; with the exception that a student whose principal work is in the Departments of English, Economics, or Romance Languages may be permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

Candidates for the degree of Bachelor of Arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester-hours; forestry, not to exceed eighteen semester-hours. The courses elected in these departments must be those approved by the Council on Undergraduate Instruction as appropriate for the Bachelor of Arts degree and published in the *Bulletin of Undergraduate Instruction*. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of Bachelor of Arts in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

#### MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English Composition* .....	6
Natural Science** .....	8
Economics, History, or Political Science*** .....	6
Religion .....	6

In addition to the above requirements, at least the third college year of a foreign language must be completed.\*\*\*\*

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

\* This requirement is normally met by the completion of English 1 and 2. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for the normal requirement.

\*\* A student who does not present for entrance an acceptable unit of science must take sixteen semester-hours of science for graduation.

\*\*\* A student who does not present for entrance two acceptable units of history (exclusive of other social science work must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

\*\*\*\* Students who begin their language requirements in college are expected to follow the sequence of courses laid down by the department whose work they take and can omit only such course or courses as may be approved both by the department and the office of the Dean. Students who are granted the privilege of completing their language requirement by taking only six semester-hours in college must first pass, with at least a grade of "C," a special examination covering the work of the second college year. In addition, they must make at least an average of "C" on the work of the third college year. If a Freshman presents for entrance four units of Latin, he may satisfy his language requirements by taking either two years of Latin or two years of Greek.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

## GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

### GROUP I

#### GENERAL

This group is based on the traditional requirement for the degree of Bachelor of Arts. Students who choose it must complete the minimum uniform requirements for graduation; forty-two semester-hours in a division of concentration, exclusive of courses open primarily to Freshmen (in the Division of the Natural Sciences a maximum of eight hours of Freshman work is permitted in the forty-two hours mentioned above); twelve semester-hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation. The departments of instruction, for purposes of concentration, are grouped in three divisions:

**Humanities:** English, Fine Arts, German, Greek, Latin, Music, Philosophy, Romance Languages.

**Social Science and History:** Economics, Political Science, Education, History, Religion, Sociology.

**Mathematics, Psychology, and Natural Science:** Botany, Chemistry, Geology, Mathematics, Physics, Psychology, Zoology.

The forty-two semester-hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester-hours in a major department and eighteen to twenty-four semester-hours in at least two other departments of the same division with a minimum of six semester-hours in each department. The minimum number of hours required by the department for a major shall not include any course open primarily to Freshmen. Introductory courses above the Freshman level are to be counted or not at the discretion of the department concerned.

For purposes of concentration certain courses listed in the same department are considered as being in different departments; namely, courses in French, Italian, and Spanish. Likewise, courses in economics and business administration are reckoned as being in different departments. Also a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his related work in the same division.

The twelve semester-hours of restricted electives must be taken in one or both of the divisions not chosen for concentration, with a minimum of six semester-hours in any one department of these divisions.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Arts degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester-hours, with the proviso that a stu-

dent whose principal work is in the Departments of English, Economics, or Romance Languages is permitted to take additional work in sub-departments not to exceed a total in the department and the sub-departments of fifty-four semester-hours.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his division of concentration and his major department, and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will recheck their courses in their divisions of concentration each year with representatives of their major departments.

## GROUP II

### BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Economics 11, Mathematics 3-4, or equivalent.  
 Sophomore Year: Economics 51-52, 57-58, Political Science 61-62.  
 Junior Year: Economics 143, 138.\*  
 Senior Year: Economics 153-154, 181-182.

In addition to the courses specified above, a student in this group must elect twenty-one semester-hours from other courses in the Department. Six semester-hours of this elective work shall be selected from courses in the two-hundred group offered for Seniors and Graduates. With the permission of the Chairman of the Department students planning to take the examination to qualify as a Certified Public Accountant may be released from this requirement.

All elective work in economics must be approved in writing by the Director of Undergraduate Studies.

## GROUP III

### RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

\* With the permission of the Department, students specializing in accounting may substitute for this course one in that subject.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Religion 1-2.

Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 61-62, English Literature (6 hours).

Junior Year: Religion (6 hours), Psychology 101.

Senior Year: Religion\* (12 hours), Sociology (6 hours), Philosophy 6 hours).

#### GROUP IV

##### PRE-MEDICAL

Students qualifying for college graduation in this group must complete, in addition to the minimum uniform requirements, forty-two semester-hours in a division of concentration (subject to the regulations of the General Group), twelve semester-hours of restricted electives in one or both of the other divisions with at least six semester-hours in one department, and certain specific requirements as noted below. These specific requirements may count as part of the divisional concentration (if the division of concentration is the Natural Sciences) or they may count as restricted electives if another division of concentration is chosen. The foreign language should be German or French, preferably the former and including German 107-108.

The normal division of concentration for students electing this group is that of the Natural Sciences. However, the student may elect any one of the other two divisions for his divisional concentration. In this case, it may be necessary for him to complete more than one hundred and twenty-two semester-hours for his degree. If, however the student chooses the Natural Sciences for his division of concentration, he is urged to take as much elective work as possible in the Divisions of the Social Studies and the Humanities.

Completion of English 1 and 2; Chemistry 1-2, 61-70, 151-152; Physics 51-52; and Zoology 1-2 will satisfy the minimum course recommendations of the Association of American Medical Colleges. Many medical schools advise the completion of additional courses in these and in other subjects. The pre-medical student should ascertain the requirements of the particular medical school that he expects to attend.

The following arrangement of the courses in science is suggested:

Freshman Year: Chemistry 1-2, Zoology 1-2, Mathematics 7-8, or equivalent.

Sophomore Year: Chemistry 61-70, Physics 51-52.

Junior Year: Chemistry 151-152.

#### GROUP V

##### COLLEGE TEACHING

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

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\* Not more than six semester-hours of electives may be taken in the Department of Religion.



French and German through the second year of college work.\* Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester-hours of work in the major subject, exclusive of work in the subject offered primarily for Freshmen; twelve semester-hours of work in related subjects approved by the student's Departmental Adviser; twelve semester-hours in education, philosophy, and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty-two semester-hours necessary for graduation.

At least twelve semester-hours of the work taken in the Senior year must be in courses open only to Seniors and Graduates.

## GROUP VI

### PUBLIC SCHOOL TEACHING

This group is designed for two classes of students: (a) those who plan to teach in secondary schools; (b) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

#### CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester-hours in education, of which three semester-hours may be in general psychology. The work in education must include three semester-hours in directed observation and practice teaching, three semester-hours in educational psychology, and three semester-hours in secondary education.

Six semester-hours, three each, in materials and methods, in two fields of high-school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below:

English, twenty-four semester-hours, to include the six of required work in composition, six in English literature, and six in American literature.

French, eighteen semester-hours, based on the usual two units for admission.

German, Spanish, and Greek, the same requirements as for French.

History, eighteen semester-hours, including six each in American, ancient and medieval, and modern European history, and six semester-hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science.

\* Greek or Latin may be substituted for either French or German.

Latin, eighteen semester-hours based on the traditional four units for admission.

Mathematics, fifteen semester-hours.

Physical Education, twelve semester-hours.

Science, thirty semester-hours, including elementary courses in biology, chemistry, physics, and geography or geology.

A student may prepare to teach only one high-school subject by taking a major of twenty-four semester-hours in that subject (physical education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen.

Elective work sufficient to complete the one hundred and twenty-two semester-hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the Division of Social Science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are further warned to take their professional courses in the order outlined by the Department of Education, reserving for their Senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester-hours of the work in the Senior year must be in courses open only to Seniors or to Seniors and Graduates.

#### CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the Social Science Division as the division of concentration. In addition to the general requirements of Group I, the following specific requirements must be met:

	S.H.
English .....	3 or 6
American History and Government .....	6 or 9
Geography .....	6
Physical Education and Hygiene .....	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his Freshman year and advise with the Department as to an appropriate course for the spring semester. In all other particulars his course follows the General Group for the first year.

The following arrangement of courses is recommended for Freshmen entering the Teaching Group. The work for the following years will be arranged by the Department of Education.



FRESHMAN YEAR

	S.H.
English .....	6
Foreign Language .....	6
Science .....	8
History or elective* .....	6
Education or elective** .....	6
	32

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements\*\*\* and the courses specified below.

The following arrangement of specified courses is recommended:

- Freshman Year: Introductory Course in History (1-2 if taken in the Freshman year or 51-52 if taken thereafter).
- Sophomore Year: Economics 51-52, Political Science 61-62.
- Junior Year: Economics 143, History 105-106, Psychology 101, and either English 151 or 152.
- Senior Year: Six semester-hours of Economics from courses approved for Seniors.

The electives should be chosen largely from the work offered by the following departments: Philosophy, Sociology, Economics, History, Psychology, and Political Science. The total work (required and elective) in any one department may not exceed thirty semester-hours.

At least twelve semester-hours of the electives in the Senior year must be Senior-Graduate courses.

GROUP VIII

SOCIAL SERVICE

This group is designed for students who purpose after graduation to pursue professional studies in order to engage in practical social welfare work, such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoology is recommended for the required course in science.

The following arrangement of specified courses is recommended for students electing this group:

\* History is an alternate with economics or political science in the minimum requirements when the student presents two units of history for admission.

\*\* Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A follow the same plan or take any of the electives authorized for the General Group.

\*\*\* When there is overlapping, the minimum uniform requirements are accepted as a part of the special requirements in this group.

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, Sociology 91-92 or Sociology 101.

Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 101, Sociology (6 hours).

Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen mainly from history, economics, political science, education, sociology, philosophy, psychology, and religion.

The subjects required for the Junior and Senior years may be transposed according to the courses available in any particular year.

## GROUP IX

### ACADEMIC-LAW COMBINATION

Students in either of the Liberal Arts Colleges of Duke University may complete in six years a combined course whereby they will receive their academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the Faculty of the Arts Colleges:

Students who have completed with not less than a "C" average at least ninety-six semester-hours of undergraduate work, including both the minimum uniform and the specific requirements, in the Pre-Legal Group of studies in Duke University may on the approval of the Dean of the undergraduate college transfer to the Law School of Duke University and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first-year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

## GROUP X

### HONORS

*Purpose:* Students who have revealed their desire and demonstrated their ability to do a type of intellectual work higher than that normally required for the liberal arts degree may apply to read for Honors during their last two college years. The aim of the Honors studies is to permit qualified undergraduates to attain a knowledge, both comprehensive and intensive, of a particular field, or fields, under conditions most stimulating to individual initiative and independence.

#### *General Rules:*

I. A student who has sixty-two semester-hours of work to his credit and who has completed the minimum requirements for graduation may apply to read for Honors. A departmental committee may, however, permit students to take as much as twelve hours of the minimum uniform requirements in the Junior and Senior years provided that these

are offset by the same number of hours in related subjects taken previously in courses not open primarily to Freshmen.

II. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

III. The minimum amount of work that may be taken in the major department shall be the equivalent of twenty-four semester-hours, and the maximum shall be the equivalent of thirty-six semester-hours.

IV. The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

*Departmental Honors:* Honors courses are available to qualified students in the following departments: Botany, Chemistry, Education, English, French, German, Greek, History, Mathematics, Philosophy, Physics, Psychology, Religion, and Zoology.

An undergraduate wishing to qualify for Departmental Honors usually enters the General Group during the Freshman year. At the close of the Sophomore year he may apply to read for Honors in a particular department. The requirements for admission to candidacy for Honors vary in the different departments. The student should consult the special requirements set forth in the "Departmental Honors Program." The Departmental Committee determines the eligibility of the various applicants for Honors reading within the department.

Students transferring from other institutions of approved standing at the close of the Sophomore year may be admitted to candidacy for Honors. Those wishing to read for Honors who expect to transfer at the close of the Sophomore year should communicate with Dean W. K. Greene, Chairman of the College Council on Honors, not later than April 15.

The work required of students in the Departmental Honors Group consists of (1) the minimum uniform requirements; (2) the program of Honors for the Junior and Senior years; and (3) elective work sufficient to complete the semester-hours necessary for graduation.

Study in a Department Honors course always includes work in regular open courses. In both Junior and Senior years it may, and usually does, also include work under special instruction (seminarial or tutorial) and assignments of independent reading.

All candidates who complete satisfactorily the minimum uniform requirements, a Departmental Honors course, and elective work sufficient to earn the necessary hours for graduation will be recommended by the Departmental Committee to the Dean of the College for graduation with Honors.

For brief outlines of the various plans for Departmental Honors the student should see the section, "Departmental Honors Program," among the offerings of each department listed above. Students are also urged to

consult the Honors Adviser of the department in which they are primarily interested. A list of these Advisers follows:

Botany: Miss Addoms  
Chemistry: Mr. Vosburgh  
Education: Mr. Holton  
English: Mr. Irving  
French: Mr. Webb  
German: Mr. Vollmer  
Greek: Mr. Pepler

History: Mr. Laprade  
Mathematics: Mr. Elliott  
Philosophy: Mr. McLarty  
Physics: Mr. Hatley  
Psychology: Mr. Zener  
Religion: Mr. Myers  
Zoology: Mr. Gray

# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

## GENERAL REGULATIONS

The general regulations governing the requirements for the degree of Bachelor of Science are the same as those for the degree of Bachelor of Arts.

## SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Science degree is limited to a maximum of thirty-six semester-hours; provided that a student whose principal work is in a department containing several subdepartments is permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of Bachelor of Science in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

## MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
Economics, History, or Political Science* .....	6
English Composition** .....	6
French*** (second college year) .....	6-12
German*** (second college year) .....	6-12
Mathematics**** .....	6
Natural Science***** .....	16
Religion .....	6

\* A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

\*\* This requirement is normally met by the completion of English 1 and 2 or 4. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for the normal requirement. If a student fails to pass English 1-2 with a grade of "C" or better, he must complete three additional semester-hours of composition.

\*\*\* All candidates for the degree of Bachelor of Science must complete at least the second year of both college French and College German or their equivalent as determined by examination.

\*\*\*\* This requirement must be satisfied by the completion of Mathematics 7-8, or equivalent.

\*\*\*\*\* All candidates for the degree of Bachelor of Science must complete eight semester-hours in each of two elementary sciences.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

## GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

### GROUP I

#### GENERAL

Students who choose this group are required to complete the minimum uniform requirements for graduation; forty-eight semester-hours in the Division of Mathematics, Psychology, and Natural Science, of which not less than twenty-four nor more than thirty-two semester-hours may be taken in a major department (the hours prescribed in the major department may not include a course primarily open to Freshmen); and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation.

The student's major work must be in botany, chemistry, forestry, geology, mathematics, physics, psychology, or zoology.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Science degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester-hours, with the proviso that a student whose principal work is in a department containing any approved subdepartments is permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his major department in the division and arrange under the guidance of an instructor in the major department his program of studies for the following year. The student is at liberty to choose for his counsellor any instructor in his major department who gives advanced courses. He should obtain the instructor's written approval of all courses selected in the division before submitting his program to the Dean for final action. In like manner, upperclassmen will check their courses in the division each year with representatives of their major department.

### GROUP II

#### PRE-FORESTRY

This group of studies is designed for students who intend to pursue the study of forestry, particularly as a profession. The first three years



are given largely to fundamental and auxiliary subjects basic to a proper understanding of the more specialized work in technical forestry, which ordinarily requires two additional years to complete. The fourth year of this curriculum is devoted entirely to the first year of technical forestry. Upon the satisfactory completion of this four-year pre-forestry curriculum a student is eligible for a Bachelor of Science degree from Duke University. With this basic preparation it is possible to obtain the professional degree of Master of Forestry in one additional year of work taken in the School of Forestry (see *Bulletin of the School of Forestry*).

In addition to the one hundred and twenty semester-hours required during the eight regular semesters, students in this group must, at the end of their Junior year, take twelve weeks of summer field work as outlined below. They must also present at least two units in either French or German before being admitted to candidacy within the Group and are advised, if possible, to present two units each in French and German. They must also take elementary economics as their required work in the social studies, and are therefore advised to present two high-school units in history.

The following arrangement of courses is recommended for students electing this group:

*Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Botany 1 .....	4	Botany 2 .....	4
Physics 1 .....	4	Physics 2 .....	4
English 1 .....	3	English 2 .....	3
Foreign Language .....	3	Foreign Language .....	3
	14		14

*Sophomore Year*

Chemistry 1 .....	4	Chemistry 2 .....	4
Mathematics 7 .....	3	Mathematics 8 .....	3
Religion .....	3	Botany 52 .....	4
Engineering Drawing 1 .....	2	Engineering Drawing 2 .....	2
Foreign Language .....	3	Foreign Language .....	3
	15		16

*Junior Year*

Botany 151 .....	4	Botany 156 .....	4
Geology 51 .....	4	Forestry (elective) .....	2
Economics 51 .....	3	Economics 52 .....	3
Foreign Language .....	3	Foreign Language .....	3
	14	Religion .....	3
			15

Summer Field Work: 12 weeks to include Civil Engineering S110 (Plane Surveying), 2 s.h.; Forestry S150 (Forest Surveying), 5 s.h.; Forestry S151 (Forest Mensuration), 4 s.h., which are required for further work in forestry.

*Senior Year*

Forestry 211 .....	3	Forestry 212 .....	3
Forestry 231 .....	3	Forestry 224 .....	4
Forestry 251 .....	2	Forestry 254 .....	2
Forestry 253 .....	2	Forestry 264 .....	3
Forestry 259 .....	3	Electives .....	4
Forestry 261 .....	3		
	16		16

All elective courses must be selected in consultation with the Forestry Staff.

## COURSES OF INSTRUCTION, TRINITY COLLEGE AND THE WOMAN'S COLLEGE

Note: Courses primarily for Freshmen are numbered from 1 to 49; those primarily for Sophomores are numbered from 50 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and Graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

The designation (w) or (E) indicates that the course is to be given on the West Campus or on the East Campus. The designation E means Engineering; L, Law; SR, School of Religion. When this designation precedes a course number, the course is not approved for graduate credit.

Odd-numbered courses are offered in the fall semester, and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must normally be continued throughout the year if credit is received. A student must secure written permission from the instructor in order to receive credit for either semester of a year course.

### COURSES OPEN PRIMARILY TO FRESHMEN

Botany 1-2	History 1-2
Chemistry 1-2	Latin 1-2, 3, 4, 15, 16, 41, 42
Economics 11	Mathematics 1, 2, 3-4, 7, 8, 9-10
Education 4, 8	Physics 1-2
English 1-2	Political Science 21-22
Fine Arts 1-2	Religion 1-2
French 1-2, 3-4	Spanish 1-2, 3-4
German 1-2, 3-4	Zoology 1-2

### BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN; ASSOCIATE PROFESSOR KRAMER, DIRECTOR OF UNDERGRADUATE STUDIES; DR. ANDERSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR WOLF; ASSOCIATE PROFESSOR HARRAR; ASSISTANT PROFESSORS ADDOMS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE), OOSTING AND PERRY; AND ASSISTANTS

**1. General Botany.**—An introduction to the structure and life-processes of seed plants. Laboratory, discussions, and field trips. Three two-hour periods. 4 s.h. (w & E) STAFF

**2. General Botany.**—A survey of the plant kingdom with emphasis on reproduction and an introduction to identification. Three two-hour periods. Prerequisite: Botany 1. 4 s.h. (w & E) STAFF

**51. Growth.**—Experimental studies of the processes involved in growth, and the application of this knowledge to the growth and propagation of plants. Prerequisite: one year of botany. 4 s.h. (E) ASSISTANT PROFESSOR ADDOMS

**52. Plant Identification.**—Practice in the identification of local plants, especially flowering plants, and a study of the principles and rules underlying plant classification. Laboratory, lectures, and field trips. Prerequisite: one year of botany. 4 s.h. (w) PROFESSOR BLOMQUIST

**55. Morphology and Anatomy of Vascular Plants.**—A comparative study of representative ferns and seed plants, including vegetative and reproductive structures. Prerequisite: one year of botany. 4 s.h. (w) ASSISTANT PROFESSOR OOSTING

**101. Principles of Heredity.**—The basic principles of heredity and their significance. Lectures, three hours; laboratory, two hours; conference (attendance optional), one hour. Laboratory work includes experimental breeding of the fruit fly. May be taken as a lecture course without laboratory. Prerequisite: one course in biology, botany, or zoology. High-school or college algebra recommended. 3 or 4 s.h. (w) ASSISTANT PROFESSOR PERRY

**103. General Bacteriology.**—Prerequisite: one year of botany or zoology, or equivalent. 4 s.h. (w) first semester and (E) second semester. PROFESSOR WOLF

**104. The Structure and Identification of Lower Plants.**—A study of representative examples of the more important groups of algae, fungi, mosses and liverworts, including collection, identification and classification of common forms. Prerequisite: one year of botany. 4 s.h. (w) DR. ANDERSON

**151. Introductory Plant Physiology.**—The principal physiological processes of plants, including water relations, synthesis, and use of foods and growth phenomena. Prerequisite: Botany 1, 2, or equivalent; one year of chemistry recommended. 4 s.h. (w) ASSOCIATE PROFESSOR KRAMER

**156. Plant Ecology.**—The principal factors affecting plants and plant communities as they exist in different environments. Laboratory, lectures, and field trips. Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h. (w) ASSISTANT PROFESSOR OOSTING

**202. Genetics.**—The principles of heredity, their cytological basis, and their bearing on other fields of biology. Laboratory work involves experimental breeding of the fruit fly and interpretation of data from the breeding of plants. Offered in alternate years. Prerequisites: one year of botany or zoology, or equivalent, and college algebra. 4 s.h. (w) ASSISTANT PROFESSOR PERRY

**203. Plant Cytology.**—A study of the structure and organization of plant cells in relation to growth, reproduction, and especially heredity. Prerequisite: two years of botany. 4 s.h. (w) DR. ANDERSON

**204. Advanced Plant Anatomy.**—The structure of vegetative and reproductive organs of seed plants, including a consideration of seedling anatomy. Special reference is made to plants of economic importance. Offered in alternate years. Prerequisite: Botany 55 or equivalent. 4 s.h. (w) ASSISTANT PROFESSOR ADDOMS  
[Not offered in 1940-41]

**216. Botanical Microtechnique.**—Studies in methods of preparing temporary and permanent microscopical slides; theory of staining; the use of the microscope, especially microscopical measurements; drawing, and photomicrography, botanical photography, and lantern slides. Prerequisite: two semesters of botany. 4 s.h. (w) DR. ANDERSON  
[Not offered in 1940-41]

**221. Structure and Classification of Fungi.**—Prerequisite: two semesters of botany. 4 s.h. (w) PROFESSOR WOLF

**225, 226. Special Problems.**—Students with adequate training may do special work in the following fields:

a. Bacteriology, Mycology and Plant Pathology. PROFESSOR WOLF

b. Cytology. DR. ANDERSON

c. Ecology. ASSISTANT PROFESSOR OOSTING

d. Genetics. ASSISTANT PROFESSOR PERRY

e. Morphology and Anatomy of Higher Groups. ASSOCIATE PROFESSOR HARRAR, ASSISTANT PROFESSORS ADDOMS AND OOSTING

## f. Morphology and Taxonomy of Lower Groups.

PROFESSOR BLOMQUIST AND DR. ANDERSON

## g. Physiology.

ASSOCIATE PROFESSOR KRAMER AND ASSISTANT PROFESSOR ADDOMS

## h. Plant Microchemistry.

ASSISTANT PROFESSOR ADDOMS

## i. Taxonomy of Higher Groups.

PROFESSOR BLOMQUIST

252. **Advanced Plant Physiology.**—The physico-chemical processes and conditions underlying the physiological processes of plants. Prerequisite: Botany 151, or equivalent; organic chemistry recommended. 4 s.h. (w)

ASSOCIATE PROFESSOR KRAMER

255. **Advanced Taxonomy.**—A study of the historical background of plant taxonomy, modern concepts and systems of classification, nomenclatorial problems and the taxonomy of specialized groups. Prerequisite: two years of botany, including Botany 52, or equivalent. 4 s.h. (w)

PROFESSOR BLOMQUIST

256. **Field Ecology.**—An ecological survey of local vegetation, including theory and practice in the use of instruments for precise habitat studies, and analysis of community and successional relationships. Offered in alternate years. Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h. (w)

ASSISTANT PROFESSOR OOSTING

## FOREST BOTANY

224. **Forest Pathology.**—Special reference to diseases of forest trees. Prerequisites: Botany 1, 2. 3 or 4 s.h. (w)

PROFESSOR WOLF

253-254. **Dendrology.**—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. 4 s.h. (w)

ASSOCIATE PROFESSOR HARRAR

Related courses which may be counted toward a major in Botany.

Zoology 110. Introduction to Genetics.—2 s.h. (w)

DR. JOHNSON

## DEPARTMENTAL MAJOR

*Prerequisites:* Botany 1 and 2.

*Major Requirements:* A minimum of twenty-one hours of work including courses 52, 55, and 104. The remaining hours may be selected from any other courses in the Department for which the student is eligible, subject to the approval of the Departmental Adviser.

## DEPARTMENTAL HONORS PROGRAM

I. *Prerequisites:* Botany 1-2. A year course in each of three other sciences acceptable to the Departmental Committee. Some of these may be taken concurrently with the Honors work.

II. *Honors Work:*

## a. Botany.

1. Scheduled courses. At least 5 courses (18-20 semester-hours) beyond Botany 1-2.

2. Reading Courses and Problems, chiefly in the Senior year. Nine semester-hours. In addition to scheduled courses, each Honors student will take reading courses in such fields as History of Botany and Theories of Biology; or he may take reading courses in special fields; or he may undertake a special problem; or he may carry on both reading and a problem. This work will count as nine semester-hours and will extend through a year at least. The student will report to his Adviser regularly for conference on

this work. He may be asked to prepare written reports on the reading courses, and he must make a report on his problem.

b. Philosophy—6 semester-hours.

c. Electives in Botany or in other departments, subject to the approval of the Departmental Committee.

III. *General Honors Examination*: In the spring semester of the Senior year, each student must pass a general examination on the entire field of his Honors work. The Examining Committee consists of the Departmental Committee and such Advisers as have been concerned with his Honors work. The student must present a written report upon his problem and such written reports upon his reading as may be required, before he is permitted to take the general examination.

## CHEMISTRY

PROFESSOR GROSS, CHAIRMAN; PROFESSOR VOSBURGH, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR LONDON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER\* AND SAYLOR; DRs. BRADSHER, BROWN, HILL, AND HOBBS; AND ASSISTANTS

1-2. **General Inorganic Chemistry**.—Lectures, recitations, and laboratory work on the elementary principles of chemistry and on the occurrence, preparation, properties, and uses of the elements and their compounds. It is desirable, though not required, that students taking this course shall have taken elementary physics either in high school or in college. One lecture, two recitations, and three laboratory hours, throughout the year. 8 s.h. (w & e)

PROFESSOR WILSON AND DR. HILL WITH PROFESSOR GROSS; ASSISTANT PROFESSOR SAYLOR; DRs. BRADSHER, BROWN, AND HOBBS; AND ASSISTANTS

61. **Qualitative Analysis**.—A study of the reactions of electrolytes in solution as applied to the qualitative analysis of mixtures of inorganic compounds. One lecture, one recitation, and six laboratory hours. Prerequisites: Chemistry 1-2 and algebra. 4 s.h. (w)

PROFESSOR VOSBURGH; ASSISTANT PROFESSOR SAYLOR; DR. HOBBS; AND ASSISTANTS

70. **Quantitative Analysis**.—A study of the theory and technique of inorganic gravimetric and volumetric analysis. One lecture, one recitation, and six laboratory hours. Prerequisite: Chemistry 61. Analytic geometry and college physics are desirable but not required. 4 s.h. (w)

PROFESSOR VOSBURGH; ASSISTANT PROFESSOR SAYLOR; DR. HOBBS; AND ASSISTANTS

131-132. **Advanced Quantitative Analysis**.—The quantitative analysis of complex materials, including quantitative organic analysis and the use of physical measuring instruments. Six laboratory hours. Prerequisites: Chemistry 70 and Physics 51-52 or equivalent. 4 s.h. (w)

PROFESSOR VOSBURGH, ASSOCIATE PROFESSOR BIGELOW, AND ASSISTANT PROFESSOR SAYLOR

151-152. **Organic Chemistry**.—An introduction to the study of the compounds of carbon. Both the aliphatic and the aromatic series are dealt with, and the lectures are illustrated by selected laboratory experiments. Two lectures, one recitation and three laboratory hours. Prerequisites: Chemistry 61 and 70. Course 151 is prerequisite for 152. 8 s.h. (w)

ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSOR HAUSER; DRs. BRADSHER AND BROWN; AND ASSISTANTS

\* On leave first semester, 1940-1941.



**153-154. Intermediate Chemistry Laboratory.**—Special laboratory exercises of a more advanced nature than given in courses 70 and 151-152. Required of candidates for Honors in chemistry and open to others with special permission of the Department. 2 or 4 s.h. (w)

PROFESSOR VOSBURGH AND OTHER MEMBERS OF THE STAFF

**173-174. Honors Seminar.**—One hour a week discussion based on assigned reading. Required of all candidates for Honors in chemistry in both Junior and Senior years. 2 s.h. (w)

PROFESSOR VOSBURGH

**215-216. Advanced Inorganic Chemistry.**—A study of modern theories of valence and molecular structure; also of inorganic compounds, particularly the less common types, the colloidal state of matter and the phase rule, illustrated by suitable laboratory preparations. Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214 and ability to read German are desirable. 6 s.h. (w)

PROFESSOR VOSBURGH AND DR. HILL

[Not offered in 1940-41]

**241. Physiological Chemistry.**—A study of the chemistry of human physiology. Clinical aspects of the subject are treated with reference to the need of prospective medical students. Two recitations and six laboratory hours. Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. 4 s.h. (w)

PROFESSOR WILSON AND ASSISTANT

**242. Metabolism.**—Open to students who have completed course 241 or its equivalent, and who have a reading knowledge of German. Lectures and collateral reading deal with the probable fate of foodstuffs in the body, the nitrogen balance, energy requirement, nutritive ratios, vital factors, and ductless glands. The laboratory work consists mainly of blood analysis under both normal and pathological conditions. The laboratory or lectures may be taken separately. Two lectures, credit 2 s.h., and 6 laboratory hours, credit 2 s.h. 4 s.h. (w)

PROFESSOR WILSON AND ASSISTANT

**253-254. Advanced Organic Chemistry.**—A continuation of Chemistry 151-152, including discussion of the theories of organic chemistry. The laboratory work will include qualitative organic analysis, together with preparations of the more difficult type, requiring reference to the original literature. Two lectures and 6 laboratory hours. Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. 8 s.h. (w)

ASSOCIATE PROFESSOR BIGELOW, ASSISTANT PROFESSOR

HAUSER, AND DR. BROWN

**261-262. Physical Chemistry.**—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Two recitations and three laboratory hours. Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent and Mathematics 7-8 or equivalent. Calculus is desirable but is not required. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. 6 s.h. (w)

PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR AND DR. HOBBS

**271. Introduction to Research.**—Lectures on the use of chemical literature, research methods, recording and publication of results, preparation of theses and other topics. One lecture. 1 s.h. (w)

PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR BIGELOW

[Not offered in 1940-41]

**273-274. Seminar.**—Required of all graduate students in chemistry. One hour a week discussion. 2 s.h. (w)

PROFESSORS GROSS, VOSBURGH; ASSOCIATE PROFESSOR BIGELOW;

ASSISTANT PROFESSORS HAUSER AND SAYLOR;

DRS. BRADSHER, BROWN, HILL AND HOBBS

**275-276. Research.**—The aim of this course is to give instruction in methods used in the investigation of original problems. It is open to Seniors who have had courses 70, 151-152, and who are taking 261-262. Nine hours a week and conferences. 3 or 6 s.h. (w)

PROFESSORS GROSS, LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER AND SAYLOR; DRs. BRADSHER, BROWN, HILL AND HOBBS

#### DEPARTMENTAL MAJOR

A. For the degree of A.B.

*Prerequisites:* Chemistry 1-2, Mathematics 7-8 (or equivalent).

*Major Requirements:* Chemistry 61-70, 151-152 and 261-262. With the permission of the Department other chemistry courses giving a total of not less than 6 s.h. credit may be substituted for Chemistry 261-262.

B. For the degree of B.S.

*Prerequisites:* Chemistry 1-2, Mathematics 7-50 (or equivalent).

*Major Requirements:* Chemistry 61-70, 131-132, 151-152, 153-154, 261-262. The required work in the Science Division must include Mathematics 51-52 and Physics 51-52 (or equivalent).

#### DEPARTMENTAL HONORS PROGRAM

*Prerequisites:* Chemistry 61-70; Mathematics, 6 s.h., and Physics 1-2 or 51-52 or equivalent.

Honors Program: Chemistry 131-132, 151-152, 153-154, 173-174, 261-262, and 275-276; Mathematics through integral calculus; Physics, 6 s.h., normally course 59-60; electives, subject to the approval of the Departmental Honors Committee, 20 s.h. (or enough to satisfy the requirements for graduation).

Chemistry 153-154 is a special laboratory course in which there is individual attention to and supervision of the experimental project of each student.

Chemistry 173-174 is a seminar primarily for Honors students of both Junior and Senior years. The purpose is to give practice in the use of chemical literature and the oral presentation of assigned topics.

In Chemistry 275-276 an experimental research project is carried out under the direction of a member of the Staff, the object being to gain acquaintance with the aims and methods of research. A written report on the research is required.

A general examination in chemistry is given at the end of both Junior and Senior years.

#### ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR GLASSON, CHAIRMAN; ASSOCIATE PROFESSOR DE VYVER, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSORS HAMILTON, HOOVER, SPENGLER, AND VON BECKERATH; ASSOCIATE PROFESSOR RATCHFORD; ASSISTANT PROFESSORS BLACK, EITEMAN, LONDON, LEMERT, LESTER, SHIELDS, SMITH, AND SPRINGER; DRs. BERRY, DELAPLANE, KEECH, AND WELFLING; MESSRS. HAVENS AND WHITMAN

The Department offers instruction in general economics, business administration, and accounting. The general course in economics affords a survey of the whole field of economic thought and lays the foundation for specialized study in various branches of the subject. Advanced courses are offered in theoretical and applied economics.

A special group of studies is provided for candidates for the Bachelor of Arts degree who are definitely looking forward to a business career at the

conclusion of their college course. While this group is mainly composed of liberal rather than technical studies, it gives opportunity in the Junior and Senior years for specialized study in such subjects as money and banking, public and corporation finance, investments, railroad and water transportation, economic geography, marketing, insurance, industrial management, accounting, and business statistics.

### ECONOMICS

#### 51-52. Principles of Economics.—6 s.h. (E & W)

PROFESSOR SPENGLER; ASSISTANT PROFESSORS EITEMAN, LANDON, LESTER, AND SMITH; DRs. BERRY, DELAPLANE AND WELFLING; MR. WHITMAN

This course must be passed by all students planning to elect further courses in Economics and Business Administration.

One section of Economics 51 will be offered during the spring semester and one section of Economics 52 will be offered during the fall semester.

**103. Transportation.**—Essential features, problems, and competitive positions of rail, highway, water, and air transportation. Special attention is devoted to valuation, rates, and regulation as applied to railway transportation. Collateral reading and the preparation of papers are required. 3 s.h. (w)

ASSISTANT PROFESSOR LANDON

**107. Conservation.**—A study of the extent and distribution of our natural resources and their service in regional and national development. Emphasis will be placed upon both the natural and human factors involved in the genesis of current problems. Term reports dealing with problems of special interest to those participating will be considered. 3 s.h. (w)

ASSISTANT PROFESSOR LEMERT

**138. Business Statistics.**—A course in elementary statistics designed principally for students of economics and business administration. The material is also of interest to those specializing in engineering, forestry, political science, sociology, and other subjects. The course includes a study of statistical methods and their application. Very little algebra and no higher mathematics are required. Offered both semesters. 3 s.h. (w)

ASSISTANT PROFESSOR SPRINGER

Open to Juniors, and to Sophomores in the second semester. *Not open to Seniors except with the permission of the Director of Undergraduate Studies.*

No credit is given for this course to a student who takes Mathematics 74.

[Note: The attention of students who are taking, or who propose to take, courses 143, 144, or 158 is called to Mathematics 71, "Mathematics of Investment." This course is recommended as an elective for Sophomores or Juniors.]

**143. Corporation Finance.**—Principles and problems in the financial organization of corporations; the study of corporate securities, the management of capital, the distribution of earnings; industrial combinations; insolvency and reorganization. Required of Juniors in the Business Administration Group. Offered both semesters. 3 s.h. (w)

ASSOCIATE PROFESSOR RATCHFORD, ASSISTANT PROFESSORS EITEMAN AND SMITH, AND DR. DELAPLANE

Though not a prerequisite, Economics 57-58, Principles of Accounting, is recommended to students electing this course.

Special sections of Corporation Finance will be offered for students who have had Economics 57-58.

**144. Investments.**—A study of the role which the security markets play in American economic life. Attention is devoted to the various types of securities, to the mechanics of their purchase and sale, to the factors which affect and determine their market prices, and to the relationship of stock speculation to the banking system and to general prosperity. Prerequisite: Economics 57-58 and 143. 3 s.h. (w)

ASSISTANT PROFESSOR EITEMAN AND DR. DELAPLANE

**153-154. Money, Banking, and Credit.**—After a preliminary study of monetary history and theory, together with an account of the development of credit instruments, there follows a more extended presentation of the theory and practice of banking. 6 s.h. (w)

PROFESSOR GLASSON, ASSOCIATE PROFESSOR RATCHFORD, ASSISTANT PROFESSOR LESTER, AND DR. WELFLING

**169. Economics of Consumption.**—Economic problems of the family. Factors determining choice; commercial and legal standards for consumers' goods; consumer credit and co-operation; income and standards of living. 3 s.h. (E)

ASSISTANT PROFESSOR SMITH

**187. Public Finance.**—This course deals with public expenditures, public revenues, public debts, and financial administration. 3 s.h. (w)

ASSOCIATE PROFESSOR RATCHFORD

**217. Population Problems and the Standard of Living.**—A critical survey of the economic laws of returns and of pre- and post-Malthusian population theory; consideration of the relation between natural increase and the laws of economic distribution and of the effects of changes in the rate of natural increase upon various classes of industry and upon employment; examination of the factors which govern population growth and of current population trends; analysis of international economic and political problems which are founded upon population pressure; consideration of the economic and the biological aspects of differential birth-rates. 3 s.h. (w)

PROFESSOR SPENGLER

**218. Business Cycles.**—Description and analysis of the causes and consequences of economic rhythms and movements of various lengths (e.g., seasonal, cyclical, long-period, etc.). Analysis of methods proposed as means of curtailing such movements, or of mitigating their effects. 3 s.h. (w)

ASSISTANT PROFESSOR LESTER

**230. Public Debts in the United States.**—A study of the characteristics of public credit as shown by the experience of national, state, and local governments in the United States. Topics considered include: forms, methods, and purposes of borrowing; effects of the contraction and repayment of debts on governmental fiscal policies, the banking and credit system, and business activity; methods of controlling or limiting debts; refunding and adjustment procedures; defaults and repudiations. Prerequisite: Economics 187 or equivalent. 3 s.h. (w)

ASSOCIATE PROFESSOR RATCHFORD

**231. The Economic History of Modern Europe.**—A study of the economic development of Europe since the sixteenth century, treating such topics as the guilds, mercantilism, money, banking, crises, the commercial revolution, and the industrial revolution. The rise of modern capitalism and the historical backgrounds of present economic problems will be emphasized. 3 s.h. (w)

PROFESSOR HAMILTON

**232. The Economic History of the United States.**—A study of the agricultural, industrial, commercial, and financial progress of the United States from Colonial times to the present day. Special attention will be devoted to mass production, business cycles, great fortunes, and the relationships between government and business. 3 s.h. (w)

PROFESSOR HAMILTON



**233. State and Local Finance.**—A study of expenditures, taxation, and financial administration in state and local governments with emphasis on current problems. Special attention will be given to research methods and materials and to the financial relations between state and local governments. Prerequisite: Economics 187 or equivalent. 3 s.h. (w)

ASSOCIATE PROFESSOR RATCHFORD

**234. Federal Finance.**—A study of the expenditures, revenues, and financial administration of the government of the United States, with emphasis on current problems. Special attention given to budgetary procedure, corporate and individual income taxes, and the financial relations between federal and state governments. Prerequisite: Economics 187 or equivalent. 3 s.h. (w)

ASSOCIATE PROFESSOR RATCHFORD

**237-238. Statistical Methods.**—A study of statistical methods appropriate for dealing with problems in business and the social sciences. In addition to developing more thoroughly the subjects considered in *Business Statistics*, the following methods will be considered: simple, multiple, partial, and curvilinear correlation; curve fitting; probability; frequency distributions; and reliability of estimates. Prerequisite: Economics 138 or consent of the instructor. 6 s.h. (w)

ASSISTANT PROFESSOR SPRINGER

**239. Prices.**—A theoretical study of the forces governing the commodity price level and an historical examination of the fluctuations, disparities, and trends of European and American prices, particularly in periods marked by acute monetary disorder or by rapid change in the stock of the precious metals. Special attention will be devoted to post-war inflation in France and Germany, the world-wide collapse of prices after 1929, and the behavior of prices in recession and recovery. 3 s.h. (w)

PROFESSOR HAMILTON

**241-242. Value and Distribution.**—This course is a critical survey of the leading contemporary explanations of price formation and of the determination of interest, rent, wages, and profits. 6 s.h. (w)

PROFESSOR SPENGLER

**245-246. Problems of Modern Industrialism.**—This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational requirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against the background of modern capitalism, the issue and trends of public policy with respect to economic organization in America and Europe are compared and appraised. 6 s.h. (w)

PROFESSOR VON BECKERATH

**253. Labor Problems.**—An examination of present-day labor problems followed by an intensive study of methods used by employers and workers in meeting those problems. 3 s.h. (w)

ASSOCIATE PROFESSOR DE VYVER

**256. Labor Legislation.**—A study of the relations of the state to labor problems with special reference to remedial legislation, and to interference in labor disputes. Prerequisite: Economics 253, or with the consent of the instructor. 3 s.h. (w)

ASSOCIATE PROFESSOR DE VYVER

[Not offered in 1940-41]

**260. Social Insurance.**—A consideration of the economic and social problems involved in workmen's compensation laws, unemployment insurance, old-age pensions, and health insurance for workers. Particular attention will be given to the present federal and state social security legislation. 3 s.h. (w)

ASSOCIATE PROFESSOR DE VYVER

**265. International Trade and Tariff Policies.**—An analysis of the theoretical principles underlying international trade with an historical study of the foreign trade and tariff policies of the United States, France, Germany, and England from the eighteenth century to the present. 3 s.h. (w)

PROFESSOR VON BECKERATH

**266. International Finance.**—A study of the mechanism of international payment with attention to international movements of capital, the peculiarities of an inconvertible paper money regime, maldistribution of gold, exchange control, and related problems. 3 s.h. (w)

PROFESSOR HAMILTON

**268. Competitive versus Monopolistic Enterprise.**—(1) Competition as an economic order; (2) competition as a political order; (3) monopoly as a disturbance of (1) and of (2). (4) What can government do for the maintenance of the competitive order? (5) What can the judiciary do for the maintenance of the competitive order? (6) What can business do for the maintenance of the competitive order? (7) Limits and difficulties of a liberal solution; (8) short discussion of different types of compromise solutions both in the governmental and the economic field. 3 s.h. (w)

PROFESSOR VON BECKERATH

**280. Advanced Economic Problems.**—This course is designed to afford students an opportunity to integrate the economic principles which they have acquired in specialized courses, through the application of these principles to current economic problems. 3 s.h. (w)

DR. WELFLING

Required of all Seniors majoring in Economics and open with permission to Seniors in the Business Administration Group.

## BUSINESS ADMINISTRATION

### A. ACCOUNTANCY

**57-58. Principles of Accounting.**—Elementary principles of single proprietorship, partnership, and corporation accounting. Supervised laboratory periods will be assigned. Section 8 (*T.T.S., third period*) is limited to twenty-five students and is designed primarily for general group students. Business Administration students should not register for this section. 6 s.h. (w)

ASSISTANT PROFESSORS BLACK AND SHIELDS; ASSOCIATE PROFESSOR DE VYVER; DR. KEECH; MESSRS. HAVENS AND WHITMAN

One section of Economics 57 will be offered during the spring semester, and one section of Economics 58 will be offered during the fall semester.

**171-172. Advanced Accounting.**—Advanced accounting theory and practice applied to the managerial problems of valuation and operation in corporations, consolidations, mergers, and liquidations. Open to students who have completed Accounting 57-58. 6 s.h. (w)

ASSISTANT PROFESSOR SHIELDS

**173-174. Auditing, Theory and Practice.**—This course prepares the manager to investigate the operation of his own business, the prospective investor to determine the value of the proposition, the student to practice the public accounting profession. The first semester deals with detail and balance sheet audits and the second semester with special investigations. Problems, working papers and reports. Prerequisite: Economics 171-172, and permission of the instructor. 6 s.h. (w)

ASSISTANT PROFESSOR BLACK

**175-176. C. P. A. Review.**—Thorough practice in classroom to prepare candidates for the Certified Public Accountant examination. The object is to train students to apply accounting principles and to work in classroom under substantially the same conditions as in the examination room. Practical accounting problems, auditing analysis, and theory of accounts. Prerequisite: Economics 171-172, and permission of the instructor. 6 s.h. (w)

[Not offered in 1940-41]

ASSISTANT PROFESSOR BLACK



**177. Income Tax Accounting.**—A study of the accounting principles involved in the management of business enterprise under the requirements of federal income tax laws. Practice is given in the preparation of tax returns. Prerequisite: Economics 171-172, or permission of the instructor. 3 s.h. (w)  
ASSISTANT PROFESSOR SHIELDS

**178. Accounting Systems.**—The design and installation of accounting systems and the presentation of accounting reports to management in basic manufacturing industries, mercantile establishments, financial institutions and municipalities. Prerequisite: Economics 171-172, or permission of the instructor. 3 s.h. (w)  
ASSISTANT PROFESSOR SHIELDS

**275-276. Advanced Industrial Accounting and Management.**—This course traces the ways and means of executive control through statistics and industrial accountancy. Emphasis is put upon the economics of overhead costs. A complete practice set of cost accounting is worked by each student during the course. Prerequisite: Economics 171-172 or permission of the instructor. 6 s.h. (w)  
ASSISTANT PROFESSOR BLACK

#### B. COMMERCE AND INDUSTRY

**11. Economic Geography.**—A course in regional economic geography embracing the study of the world's major geographic regions, their present and potential production of food and raw materials for manufacture, and the relationships between these factors and the development of manufacturing industries, cities, and commerce. Either semester. 3 s.h. (w & E)  
ASSISTANT PROFESSOR LEMERT AND MR. WHITMAN

**105. Industrial Management.**—A study of the organization and management of industry, with emphasis upon business application of the principles developed. Problems of the interrelation of functions operating in the several fields of management, such as production control, personnel, and the forecasting of business conditions. 3 s.h. (w)  
DRS. BERRY AND KEECH

**115. Economic Geography.**—*This course is not open to students who have received credit for Econ. 11.* Required of all students in Teaching Group, Class B. The study of the interrelation of human activities and environmental elements. The discussion embraces location, maps and their interpretation, the major climatic regions, seasonal influences, weather, lands and their uses, soils and minerals, bodies of water, plants, animals, and the works of man as environmental factors. 3 s.h. (E)  
ASSISTANT PROFESSOR LEMERT

**116. Economic Geography and Industrial Organization.**—*This course is not open to students who have received credit for Econ. 11 (formerly B).* Required of all students in Teaching Group, Class B. A study of the economic resources of the world; the products of the agricultural and manufacturing industries; trade routes and trade centers; the balance of trade and its relation to industrial development; and the influence of geographic factors on the commercial policy of nations. Prerequisite: Economics 115. 3 s.h. (E)  
ASSISTANT PROFESSOR LEMERT

**118. Economic Geography of the South Atlantic States.**—A study of the agricultural, commercial, and industrial development, with special emphasis placed upon the development of manufacturing in the southern Appalachian Piedmont. This course is designed to serve not only teachers, but all others interested in the development of this region. Prerequisites: Economics 11, Economics 115, or permission of the instructor. 3 s.h. (w)  
ASSISTANT PROFESSOR LEMERT

**158. Insurance.**—The development and basic principles of insurance. This course covers such topics as business uses, policy contracts, costs, and regulation of insurance. Life and fire insurance are emphasized. 3 s.h. (w)  
DRS. BERRY AND KEECH

**168. Marketing.**—The fundamental principles of marketing. The topics covered include marketing functions, organization, and methods; financing marketing activities; price principles and practices; risk and speculation; co-operative marketing; regulation; and means for improvement. Collateral reading and the preparation of papers are required. 3 s.h. (w)

ASSISTANT PROFESSOR LANDON

**181-182. Business Law.**—The fundamental principles of law as applied to common business transactions. The topics presented are: contracts, agency, bailments, sales, negotiable instruments, partnership, corporations, and bankruptcy. 6 s.h. (w)

ASSISTANT PROFESSORS EITEMAN AND SPRINGER

**184. Commercial Law for Accountants.**—A review and summation of commercial law principles as they apply to accounting theory and practice. Emphasis will be placed upon the commercial law sections of the Certified Public Accountant examinations. Students are admitted to the course by permission of the instructor. 3 s.h. (w)

ASSISTANT PROFESSOR BLACK

Attention is also called to Political Science 172, Government and Agriculture, and Political Science 164, Government Control of Railroads, which may appropriately be elected as related work.

#### DEPARTMENTAL MAJOR

*Prerequisites:* Economics 51-52, Principles of Economics. 6 s.h. This course is ordinarily taken in the Sophomore year.

*Major Requirements:* Twenty-four semester-hours in addition to Economics 51-52, to be arranged as follows:

- (1) Economics 138.—Business Statistics.—3 s.h.

This course may be taken the second semester of the Sophomore year or during the Junior year. It may be taken by departmental majors in their Senior year only with permission of the Director of Undergraduate Studies.

- (2) Senior-Graduate Courses.—6 s.h.

At least six semester-hours must be chosen from Senior-Graduate courses offered in Economics.

- (3) Economics 280.—Advanced Economic Problems.—3 s.h.

This course is required of all majors in the Department and is also open to Seniors in the Business Administration Group. It may not be counted as part of the Senior-Graduate course requirement.

- (4) Additional Course Work.—12 s.h.

In addition to the special requirements outlined under (1), (2), and (3) above, majors in the Department must elect twelve semester-hours from courses offered in Economics for Juniors and Seniors. Six hours of Accounting and six hours in Commerce and Industry may be counted toward the completion of this requirement.

- (5) Additional work in the Department.

Twenty-four semester-hours of work in the Department is a minimum for a major in Economics. According to the general University regulations, however, majors may take additional work in the subdepartments (Accounting and Commerce and Industry) not to exceed a total in the Department and subdepartments of fifty-four semester-hours.

#### DEPARTMENTAL HONORS PROGRAM

(a) *Prerequisite:* The minimum requirement for admission to Honors in economics is the completion of Economics 51-52 and Political Science 61-62, with at least a grade of "B."

## (b) Honors Readings:

1. *History of Economic Thought*: A consideration of the principal economic writers showing the development of modern economic thought.

DR. WELFLING

2. *Social Economics*: The problems of social adjustment to modern economic institutions.

ASSOCIATE PROFESSOR DE VYVER

3. *American Economic Organization*: The development and operation of the institutions of modern American capitalism.

ASSOCIATE PROFESSOR DE VYVER

(c) One or two Honors Readings in political science must be taken by all Honors candidates in economics.

(d) Thesis: A thesis is required for each Honors candidate. This is normally to be done during the Senior year and is due by May 15.

(e) Course work to complete a minimum of 60 hours for the Junior and Senior year is required. This will require 27 or 33 hours of course work depending upon whether the student elects one or two Honors readings in political science.

(f) Examinations: An oral or written examination will be given at the conclusion of each reading in economics and political science and a general oral and written examination will be given at the end of the Senior year.

## EDUCATION

PROFESSOR HOLTON, CHAIRMAN; PROFESSOR PROCTOR, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR EASLEY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BROWNELL, CARR, AND CHILDS; ASSOCIATE PROFESSOR SCATES; DR. WATSON; MESSRS. DOTY (PART-TIME), OSTWALT (PART-TIME); AND MRS. SMITH; AND ASSISTANTS

Courses in the Department of Education are designed for two groups of students: (1) students with teaching experience or others who have definitely chosen teaching as their life-work, and (2) students who desire to study the school as an outstanding social institution.

Students who do not expect to teach but merely desire an understanding of the school as part of a liberal education are advised to elect such courses as 4, 8, 54, 104, and 105 for their introductory work in the Department and then to elect further work in accordance with their special interests. Students who expect to engage in the various phases of teaching should plan their courses in accordance with the general regulations for Groups V and VI as outlined in this catalogue. Students preparing for college teaching should elect courses in the history and philosophy of education and in educational psychology.

1. **Orientation Course in Study and Study Habits.**—A course for Freshmen whose high-school and other records indicate the need of help in working out a satisfactory method of study. The factors of study, the use of textbooks, note-taking from lectures and parallel readings, and applications of the factors of study to the daily problems of the student are among the matters considered. *Either semester. 3 s.h. (w & e)*

ASSISTANT PROFESSOR EASLEY AND DR. WATSON

4. **Introductory Course in History of Education.**—A special section of course 54, for Sophomores and for Freshmen who have had course 8. *3 s.h. (E)*

ASSOCIATE PROFESSOR SCATES AND MR. OSTWALT

8. **The Learning Process.**—A course in elementary educational psychology, required of all Freshmen and Sophomores entering Group V. *Either semester. 3 s.h. (w & e)*

PROFESSORS BROWNELL AND CHILDS; ASSISTANT PROFESSOR EASLEY; DR. WATSON; MESSRS. DOTY AND OSTWALT

**54. Introductory Course in History of Education.**—A study of the types of educational systems and institutions evolved in Western Europe and the United States as an introduction to current educational problems. 3 s.h. (w)  
PROFESSORS HOLTON AND CARR

**58. The Learning Process.**—A special section of course 8, intended for Juniors. *Either semester.* 3 s.h. (E) *first semester and (w) second semester.*  
ASSISTANT PROFESSOR EASLEY

**68. Mental Hygiene of the School Child.**—A study of personality factors as related to the adjustment and success of the school child, the foundations of motivation; typical problems of maladjustment; social heredity and its educational implications; variations in intelligence. 3 s.h. (E)  
ASSISTANT PROFESSOR EASLEY

**83. Current Trends in American Public School Organization.**—A study of current controversies and criticisms bearing on the organization and administration of the public schools, recent developments in the organization of schools, and the theories underlying these developments. 3 s.h. (E) PROFESSOR PROCTOR

**101. Introduction to Teaching.**—A survey of the work of the teacher based upon a general theory of the learning and teaching process. Preliminary discussion of the qualifications and training of teachers and the nature and aims of education. Development of a theory of the curriculum; discussion of the nature of subject matter as related to pupil activity; modern classroom procedure in teaching, including an introduction to educational measurements. Old number 61. 3 s.h. (E)  
PROFESSOR CARR

**103. School Organization and Administration for the Classroom Teacher.**—*Either semester.* 3 s.h. (w) *first semester and (E) second semester.*  
PROFESSOR PROCTOR

**104. History of Education in the United States.**—A special section of course 214, intended primarily for Juniors. 3 s.h. (E) *first semester.*  
ASSOCIATE PROFESSOR SCATES

**105. Introduction to Educational Sociology.**—A study of social forces, processes, and values as affecting education, and the interaction of school and community. 3 s.h. (E)  
PROFESSOR CHILDS

**112. Methods of Teaching and Presentation of Subject Matter in the Primary Schools.**—A study of materials and methods in the primary school subjects with special reference to reading, language, number, and the social studies; introduction to the psychology of the primary school branches. A minimum of thirty laboratory periods of observation and practice-teaching. Prerequisite: course 101. *For Seniors only.* 4 s.h. (E) PROFESSOR CARR  
[Not offered in 1940-41, unless as many as eight students enroll.]

**A. Integrated Art in the Public School.**—This course consists of three semester-hours of work in Materials and Methods. (Required of all students completing requirements in Group VIB, Elementary School Teaching, of the "Groups of Studies for the Degree of Bachelor of Arts.") *For Juniors and Seniors.* (E) MRS. MASON  
[Not offered 1940-41, unless as many as eight students enroll.]

**B. Industrial Art in the Public School.**—This course consists of three semester-hours of work in Materials and Methods. (Required of all students completing requirements in Group VIB, Elementary School Teaching, of the "Groups of Studies for the Degree of Bachelor of Arts.") *For Juniors and Seniors.* (E) MRS. MASON  
[Not offered 1940-41, unless as many as eight students enroll.]



**115-116. Secondary Education: Principles and Practice.**—The study of the nature, scope, and methods of secondary education, emphasizing fundamentals of the teaching process and exemplifying theory by practice. Sixty hours of observation work and thirty hours of supervised practice teaching required. The course includes courses 106 and 116 as offered prior to 1935 and is not open for enrollment to students who have had either of those courses. Students preparing to teach in junior high schools are permitted to concentrate in the junior high school field. *Students must arrange their schedule to permit four hours of observation, conference, and practice teaching weekly. Since practice-teaching facilities are limited, students with superior record will be given preference in the practice teaching. No student who has not passed the work of the Junior year at Duke University with an average of at least one and one-half quality-points will be permitted to do practice work. Students who have the required average in quality-points must before February 1 pass with grade of "B" or better, examination in the subject they expect to teach, based upon course of study of the school in which they expect to do their practice teaching. Before entrance into practice-teaching students must complete thirty hours of observation under supervision. Their first five hours of practice must be satisfactory to the instructor directing observation and to the teacher of the class taught before they can continue the thirty hours of practice teaching required by the course. For Seniors only. 6 or 8 s.h. Section one (for teachers of English and foreign language). (E) Section two (for teachers of other subjects). (w)*  
 PROFESSOR CHILDS AND ASSISTANTS

**118. Educational Implications of Genetic Psychology.**—A course tracing the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.; the process of socialization; and similar material of especial significance to teachers in the elementary schools. *First semester. 3 s.h. (w)*  
 PROFESSOR BROWNELL

**122. Methods of Teaching and Presentation of Subject Matter in the Grammar Grades.**—A study of materials and methods in the grammar grade subjects with special reference to reading, language, number, and the social studies; introduction to the psychology of the grammar grade branches. A minimum of thirty laboratory periods of observation and practice teaching. Prerequisite: course 101. *For Seniors only. 4 s.h. (E)*  
 PROFESSOR CARR

**131. Observation and Practice-Teaching.**—Open to Seniors who are enrolled in course 101. Separate work for primary and grammar grade teachers. *1 s.h. (E)*  
 PROFESSOR CARR

**132. Materials and Methods in Health Education.**—Identical with Health Education 132. *3 s.h. (w)*  
 ASSISTANT PROFESSOR AYCOCK

**136. The Teaching of High-School English.**—Identical with English 142. *For Seniors only. 3 s.h. (w)*  
 ASSISTANT PROFESSOR JORDAN

**142. Children's Literature.**—Students enrolled will be allowed to specialize in literature of either the primary or grammar grades. *First semester. 3 s.h. (E)*  
 PROFESSOR CARR

**155. The Teaching of Secondary School Latin.**—Identical with Latin 109. *For Seniors only. 3 s.h. (w)*  
 ASSISTANT PROFESSOR GATES

**158. Educational Measurements.**—A special section of 258, intended for undergraduates. Principles and technique involved in measurements in education. *First semester. 3 s.h. (E)*  
 ASSOCIATE PROFESSOR SCATES

170. **The Social and Economic Position of Women.**—A course in vocational guidance for women counting as a general elective, but not as part of either a major or minor in Education or towards a North Carolina State teacher's certificate. The purpose of the course is to give the historical background of the changing social and economic position of women, the contributions made by outstanding women, and the vocational opportunities open to women. 2 s.h. (E)  
MRS. SMITH

176. **Materials and Methods in High-School Science.**—Discussion, based upon lectures and collateral reading, of such topics as aims, tests for values, the curriculum, classroom procedure, course and lesson planning in secondary-school science. Prerequisite: at least eighteen hours of science in college. *For Seniors only.* 3 s.h. (w)  
PROFESSOR CHILDS  
[Not offered in 1940-41]

200. **Introduction to the Philosophy of Education.**—3 s.h. (w)  
PROFESSOR HOLTON

203. **Principles of School Administration.**—Prerequisite: six semester-hours of courses 103 and 58 or their equivalent. 3 s.h. (w)  
PROFESSOR PROCTOR

205. **Curriculum Problems in Secondary Education.**—A consideration of the aims and objectives of secondary school subjects, emphasizing practical problems of curriculum-making in the high school. *Second semester.* 3 s.h. (w)  
PROFESSOR CHILDS  
[Not offered in 1940-41]

206. **Sociological Foundations of the Secondary School Subjects.**—A consideration of the aims and objectives of secondary school subjects, emphasizing problems of curriculum-making. Prerequisite: general sociology or approved work in education, including course 105. 3 s.h. (w)  
PROFESSOR CHILDS

207. **Technique of Teaching.**—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. 3 s.h. (E)  
PROFESSOR CARR  
[Not offered in 1940-41]

208. **Mental Tests and Applications.**—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. Prerequisite: course 258 or six semester-hours of other work in educational psychology or psychology. 3 s.h. (E)  
ASSISTANT PROFESSOR EASLEY

209. **Statistical Methods Applied to Education.**—A study of statistical methods of treating educational and social data designed to enable teacher or administrator to interpret and use the results of scientific investigations in education. 2 s.h. (w)  
ASSOCIATE PROFESSOR SCATES

212. **Psychology of the Elementary School Subjects.**—A study of the psychology of learning as applied to teaching the common school subjects. 3 s.h. (E)  
PROFESSOR CARR

214. **History of Education in the United States.**—A study of the development of the American public school and the interaction of higher education and the public school. 3 s.h. (w)  
PROFESSOR HOLTON  
[Not offered in 1940-41]

216. **Psychological Principles of Secondary Education.**—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. 3 s.h. (w)  
PROFESSOR CHILDS  
[Not offered in 1940-41]



217. **Advanced Educational Psychology.**—A systematic survey of the field of educational psychology, required of all majors in that field. 3 s.h. (E)

ASSISTANT PROFESSOR EASLEY

218. **Educational Implications of Genetic Psychology.**—Special section of course 118, intended primarily for graduate students, ordinarily not offered the same year in which 118 is given. Prerequisite: six semester-hours of psychology or educational psychology. 3 s.h. (E)

PROFESSOR BROWNELL

[Not offered in 1940-41]

219. **Experimental Education.**—This course is designed to provide training (1) in planning, (2) in prosecuting, and (3) in reporting quantitative investigations in the field of education, more especially in the field of learning and teaching the various school subjects. 3 s.h. (E)

PROFESSOR BROWNELL

[Not offered in 1940-41]

222. **The Curriculum and Materials of the Elementary Grades.**—A study of curriculum problems in the elementary school. *First semester.* 3 s.h. (E)

PROFESSOR CARR

225. **The Teaching of History and the Social Studies.**—Identical with History 211. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. 3 s.h. (w)

ASSISTANT PROFESSOR MANCHESTER

227. **The Psychology of Learning: Problems.**—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. 3 s.h. (w)

ASSISTANT PROFESSOR EASLEY

228. **The Psychology of Learning: Theoretical and Experimental.**—This is a continuation of course 227. In this semester the laws of learning, the most important explanatory principles, and the major systems of the psychology of learning will be considered. Class experiments will run throughout the semester. Prerequisite: course 227 or its equivalent. 3 s.h. (E)

ASSISTANT PROFESSOR EASLEY

232. **Elementary School Supervision.**—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. 3 s.h. (E)

PROFESSOR CARR

[Not offered in 1940-41]

233. **Administrative Pupil-Accounting.**—An advanced study of gradation and classification of pupils, with incidental attention to the keeping of records and the making of reports. The study includes a consideration of individual differences, promotions, acceleration, and retardation of pupils; the various plans for classification and gradation; interpreting the results of tests; and some practice in the computation of statistical measures. 3 s.h. (w)

PROFESSOR PROCTOR

234. **Secondary School Organization and Administration.**—A study of the outstanding problems of secondary school organization and administration other than the problem of gradation and classification of pupils. 3 s.h. (w)

PROFESSOR PROCTOR

237. **Investigations in Reading.**—A summary of the results of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing diagnosis, and supervision; emphasis on problems requiring further investigation. 3 s.h. (E)

PROFESSOR CARR

**244. Studies in the Historical Development of Public School Administration.**—An advanced course devoted to the development of public school administration in the South, with especial reference to North Carolina as a type. 3 s.h. (w) PROFESSOR HOLTON

[Not offered in 1940-41]

**246. The Teaching of Mathematics.**—Identical with Mathematics 204. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. 3 s.h. (E) PROFESSOR RANKIN  
[Not offered unless enrollment justifies.]

**247. Investigations in Arithmetic.**—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. 3 s.h. (w) PROFESSOR BROWNELL  
[Not offered in 1940-41]

**253. Legal Phases of School Administration.**—A study of judicial decisions and the development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. 3 s.h. (w) PROFESSOR HOLTON

[Not offered in 1940-41]

**254. History of Secondary Education in the United States.**—A study of historical and comparative conceptions of the secondary school, changes in American life affecting the secondary school, present status of the secondary school, current tendencies toward expansion, and the problem of state and federal aid. *First semester.* 3 s.h. (w) PROFESSOR PROCTOR

[Not offered in 1940-41]

**258. Educational Measurements.**—A critical study of the principles and techniques involved in measurement in education, with opportunity for individual research. Prerequisite: twelve semester-hours in the Department, including a course in educational psychology. 3 s.h. (E)

ASSOCIATE PROFESSOR SCATES

**264. Recent Movements in American Education.**—An intensive study of educational thought and practice since 1900. 3 s.h. (w) PROFESSOR HOLTON  
[Not offered in 1940-41]

**266. The Teaching of High-School French.**—Identical with French 218. 3 s.h. (w) PROFESSOR WEBB

**294. Comparative Education: Recent Movements in European Educational Systems.**—A comparative study of the school systems of the principal countries of Europe, with emphasis upon changes since the World War. *First semester.* 3 s.h. (w) PROFESSOR CARR

#### DEPARTMENTAL MAJOR

A major in the Department of Education consists of twenty-four semester-hours of work above the Freshman year, not including any work listed as primarily for Freshmen, and including at least six semester-hours of courses limited to Seniors or to Seniors and Graduates. Students, however, who obtain credit for courses 4 and 8 will be permitted to complete a major by taking twenty hours of additional work in the Department, provided twelve hours are courses limited to Seniors or to Seniors and Graduates. Before graduation, majors in the Department must have credit for at least one course in educational psychology, such as 8, 58, or 68, and one course in history and philosophy of education, or in educational sociology. The remainder of their work may be elected from courses listed for Sophomores, Juniors, and Seniors, provided at least six semester-hours of the course work are taken from courses

listed for Seniors and Graduates, and provided that not more than six semester-hours may be of courses numbered below 100.

#### DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in education who have passed with grade of "B" or better in their Freshman or Sophomore years six semester-hours of education.

Candidates for Honors in education are required to take in the Junior year twelve semester-hours in the Department and to make an average of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of twelve semester-hours of supervised reading in education, the candidate must elect with the approval of the Departmental Committee on Honors six semester-hours of work from the courses in education offered in the 200 group, on which he is required to make a grade of "B" or better and twelve semester-hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester-hours shall be devoted to the History of Education; the remaining six semester-hours shall be devoted to Educational Psychology, or Secondary Education, or Elementary Education, or Public School Administration as the student may elect and the Departmental Committee approve. In exceptional cases, qualified students may be permitted to take six semester-hours of the supervised reading during the Junior year and increase the amount of course work in the Department the Senior year.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

#### ENGLISH

PROFESSOR BROWN, CHAIRMAN; PROFESSOR GREENE, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR SANDERS, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BAUM, GILBERT, GOHDES, HUBBELL, IRVING, AND WHITE; ASSOCIATE PROFESSORS BLACKBURN, PATON, AND MITCHELL; ASSISTANT PROFESSORS ALLEN, ANDERSON, HERRING, JORDAN, SUGDEN, VANCE, WARD, WEST, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. DOWLING,\* FITZGERALD, LEWIS, MARTIN, AND BRICE†

#### COMPOSITION

1-2. **English Composition.**—All Freshmen are required to take course 1 and course 2.

Students in courses 1 and 2 who fail to earn an average grade of "C" on the work of both semesters and at least a grade of "C" on the work of the spring term are required to do the work of English 53 during their Sophomore year. Those who do not earn a grade of "D" during the first semester are required to repeat during the spring course 1; if they earn a grade of "D" or more at the end of the spring semester, they receive credit for the first half-year of work, and during their Sophomore year they are required to do the work of English 2. Students whose grades for both semesters fall below "D" must repeat the entire course during their second year. 6 s.h. (E & W)

PROFESSOR IRVING; ASSOCIATE PROFESSORS BLACKBURN AND PATTON; ASSISTANT PROFESSORS ALLEN, ANDERSON, SANDERS, SUGDEN, VANCE, WARD, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. DOWLING, FITZGERALD, MARTIN, AND BRICE

\* Part-time instructor during the spring semester.

† Instructor during the autumn semester.

53. **English Composition.**—A second course in composition. *Offered again in the second semester.* 3 s.h. (w & e) ASSISTANT PROFESSOR JORDAN

54. **Composition.**—This is a practical course in composition for those who desire a greater mastery of, and facility in, the use of the language than they get from English 1-2 and 53. 3 s.h. (w) ASSISTANT PROFESSOR JORDAN

65-66. **Approaches to Imaginative Writing.**—This course stresses the essentials of imaginative writing with the aim particularly to develop skill in description and characterization in writing prose and skill in the writing of poetry. The work includes also the analysis of selected models. The number of students in this course is limited, and all must have the consent of the instructor. Open to Sophomores and in special cases to Freshmen. 6 s.h. (w) ASSISTANT PROFESSOR SANDERS AND DR. CARPENTER

101-102. **Composition.**—This work is planned for those who have done good work in the required courses in composition. Students who wish to take this course must have made a grade of "B" or better in English 1-2 or they must have credit for English 1-2 and English 53. The number of students is limited, and all must have the consent of the instructor. Open to men and women. 6 s.h. (w) ASSOCIATE PROFESSOR MITCHELL

103-104. **Composition.**—Instruction in this course is concerned largely with descriptive and narrative writing. Only students who are able to write with facility and correctness are expected to enroll; they must have the consent of the instructor. Open to women and men. 6 s.h. (e) ASSOCIATE PROFESSOR BLACKBURN

107-108. **Journalism.**—The first semester is devoted to news-writing and copy-reading; the second semester, to the writing of feature articles and editorials. ASSISTANT PROFESSOR SUGDEN

133-134. **Verse-Writing.**—See description of this course on page 81. PROFESSOR WHITE

#### DRAMATICS AND SPEECH

105-106. **Play-Writing.**—The work of this course is concerned chiefly with the technique of the one-act play though study is made also of the longer forms. Worthy plays written by students are presented by the members of the play-production course. Open also to Sophomores approved by the Dean. 6 s.h. (w) ASSISTANT PROFESSOR WEST

119-120. **History of the Theater.**—A study of the development of the theater, of methods of production, and of representative plays of the various periods from the time of the early Greeks to the present day constitutes the work of this course. Open also to Sophomores approved by the Dean. 6 s.h. (w) ASSISTANT PROFESSOR WEST

121-122. **Play-Production.**—This is a course dealing with the theory and practice of producing plays. The work includes make-up, lighting, scene-design and painting, costume, directing, and stage-management. Plays are studied with a view to producing them. There is practice work both in the laboratory and in the theater. Open also to Sophomores approved by the Dean. 6 s.h. (w) ASSISTANT PROFESSOR WEST

139-140. **The Speaking Voice.**—This course gives training in placement, pitch, range, and diction for use in professional work and in daily conversation. Open to all undergraduates with the approval of the Dean. 6 s.h. (w) ASSISTANT PROFESSOR WEST



## FOR SOPHOMORES, JUNIORS, AND SENIORS

151. **Speech.**—A course in the fundamentals of public speaking with emphasis upon the effective presentation of ideas. 3 s.h. (w & e)

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

152. **Argumentation.**—A course dealing with the principles of argumentation and debating with special emphasis upon brief-making and practice-speaking. Public questions are studied as parallel work. Prerequisite: English

151. 3 s.h. (w) ASSISTANT PROFESSOR HERRING AND MR. LEWIS

## ENGLISH AND AMERICAN LITERATURE AND LANGUAGE

55-56. **Representative Writers.**—6 s.h.

PROFESSOR IRVING, ASSOCIATE PROFESSOR BLACKBURN, ASSISTANT PROFESSORS SANDERS, SUGDEN, VANCE, WARD, AND DR. POTEAT

63-64. **A Survey of English Poetry.**—6 s.h. (w & e)

ASSOCIATE PROFESSOR MITCHELL

123-124. **Shakespeare.**—6 s.h. (w)

PROFESSOR BROWN

125-126. **English Literature, 1789-1832.**—6 s.h. (w & e).

PROFESSOR WHITE, ASSOCIATE PROFESSOR PATTON, AND ASSISTANT PROFESSOR WHITE

127-128. **English Prose Literature, 1832-1900.**—6 s.h. (w)

PROFESSOR GREENE

129-130. **The History of the Novel in England.**—6 s.h. (w & e)

ASSOCIATE PROFESSOR MITCHELL AND ASSISTANT PROFESSOR VANCE

133-134. **Verse-Writing.**—This work is offered each year for not less than three or more than six students, who must make to the instructor written application accompanied by some original verse. Open to Seniors, Juniors, and in exceptional cases to Sophomores. 3 s.h. (w)

PROFESSOR WHITE

137-138. **American Literature.**—6 s.h. (w & e)

PROFESSORS HUBBELL AND GOHDES AND ASSISTANT PROFESSOR ANDERSON

142. **Materials and Methods in High-School English.**—*Second semester.* 3 s.h. (e)

ASSISTANT PROFESSOR JORDAN

145-146. **English Poetry, 1832-1900.**—6 s.h. (w)

ASSISTANT PROFESSOR SANDERS

147-148. **Contemporary Poetry.**—Open also to Sophomores recommended by the Dean. 6 s.h. (w)

ASSISTANT PROFESSOR ANDERSON

[Not offered in 1940-41]

153-154. **Comparative Literature.**—6 s.h.

PROFESSOR IRVING

[Not offered in 1940-41]

155-156. **Contemporary Drama.**—Open to Junior and Senior women and to those Sophomores recommended by the Dean. 6 s.h. (e)

ASSISTANT PROFESSOR WHITE

157-158. **Contemporary British and American Fiction.**—Open also to Sophomores recommended by the Dean. 6 s.h. (w)

ASSISTANT PROFESSOR ANDERSON

159-160. **English Literary Biography.**—6 s.h. (w)

PROFESSOR WHITE

161-162. **The History of the English Language.**—This work is strongly recommended for all majors in English.

PROFESSOR GREENE

## FOR SENIORS AND GRADUATES

201-202. **Anglo-Saxon.**—The first half of the year is given to the reading of prose and to a study of the language; the second half, to the reading of *Beowulf*. 6 s.h. PROFESSOR BROWN

203-204. **Chaucer.**—The work consists of the reading and study of the principal *Canterbury Tales*, the *Troilus*, the minor poems, and some of the translations. Students prepare a reading report and a term paper. 6 s.h.  
[Only 203 offered 1940-41] PROFESSOR BAUM

207-208. **English Literature, 1400-1550.**—6 s.h. PROFESSOR BAUM  
[Not offered in 1940-41]

209-210. **English Literature, 1625-1700.**—6 s.h. ASSISTANT PROFESSOR WARD

211-212. **Nondramatic English Literature, 1550-1625.**—3 s.h.  
ASSISTANT PROFESSOR ALLEN

213-214. **Folk-Lore and Folk-Songs.**—The first half of the work consists of an extensive study of the field of folk-lore; the second, of the ballad and other folk-songs. 6 s.h. (w) PROFESSOR BROWN

215-216. **Elizabethan Drama.**—6 s.h. (w) ASSISTANT PROFESSOR ALLEN  
[Not offered in 1940-41]

217. **Spenser.**—In this course the students study the works of Spenser, giving especial attention to the major poems. 3 s.h. (w) PROFESSOR ALLEN  
[In 1940-1941 English 217 is offered during the spring semester.]

218. **Milton.**—A detailed study of Milton's prose and poetry with emphasis upon the major poems constitutes the work of this course. There are frequent written reports and a term-paper. 3 s.h. (w) PROFESSOR GILBERT  
[In 1940-1941 English 218 is offered during the fall semester.]

219-220. **English Literature of the Eighteenth Century.**—The prose and poetry of the age of Pope are reviewed in the first semester, of the age of Johnson in the second. Term papers are required. 6 s.h. (w) PROFESSOR IRVING

227-228. **Literary Criticism.**—This work consists of a study of the history of literary criticism from Aristotle to the present. There are oral and written reports and term papers. 6 s.h. PROFESSOR GILBERT  
[Only 227 offered in 1940-41]

229-230. **American Literature, 1800-1870.**—This work consists of a survey of the principal writers of the period. There are two oral reports and a term paper each semester. Seniors must have credit for English 137-138 or its equivalent. 6 s.h.  
PROFESSOR HUBBELL AND ASSISTANT PROFESSOR ANDERSON

231-232. **Special Studies in American Authors.**—6 s.h. PROFESSOR GOHDES  
[Not offered in 1940-41]

233-234. **American Literature since 1870.**—The work is a survey of the period, including the writings of a few of the most important living authors. One term paper each semester. 6 s.h.  
PROFESSOR GOHDES AND ASSISTANT PROFESSOR ANDERSON

239-240. **Shakespeare Problems.**—Students should have read the principal plays before entering the course. 6 s.h. (w) PROFESSOR BROWN  
[Not offered in 1940-41]

269. **Southern Literature and Culture.**—3 s.h. PROFESSOR HUBBELL



## DEPARTMENTAL MAJOR

*Prerequisites:* English 1 and 2.

*Requirements for the Major:* A major in English consists of twenty-four semester-hours of credit distributed as follows: *six* hours must be earned in English 55-56 or in English 63-64 and *eighteen* hours credit in courses in English and American literature of the 100 or 200 group.

## DEPARTMENTAL HONORS PROGRAM

(a) Prerequisite: The minimum requirement for admission to Honors in English is the completion of a Sophomore course in English literature on which the student makes at least a grade of "B."

(b) Honors Readings:

(1) *The Elizabethan Period and the First Half of the Seventeenth Century.*—The Bible; Shakespeare and Elizabethan drama; Spenser; Donne; Bacon and other writers of prose.

PROFESSOR IRVING AND ASSISTANT PROFESSOR WARD

(2) *English Literature from the Restoration to the Death of Pope.*—Milton; Dryden; the Comedy of Manners; Swift; Defoe; Addison and Steele; Pope.

PROFESSOR IRVING

(3) *English Literature, 1744-1832.*—Fielding; Johnson; Wordsworth; Byron; Shelley; Keats; Lamb; Hazlitt.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON

(4) *English Literature, 1832-1900.*—Carlyle; Tennyson; Browning; Arnold (poetry and prose); Ruskin; Morris; Pater.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON

(c) Two year-courses in the Department of English (under certain conditions work in related departments may be substituted for this requirement).

(d) Four year-courses in related departments.

(e) General Honors Examinations: Four comprehensive written examinations and a supplementary oral examination are held at the end of the Senior year to test the student's knowledge of the four periods of English literature studied. Students may substitute for one of the written examinations a special thesis on a topic correlating English literature with a related field of knowledge or on any other approved topic.

## FINE ARTS

ASSISTANT PROFESSOR McDONALD, CHAIRMAN; ASSISTANT PROFESSOR HALL,  
DIRECTOR OF UNDERGRADUATE STUDIES; DR. SUNDERLAND

The purpose of the courses in the Department is so to train the student's eye by directed study of characteristic examples of the historic styles that he may apply his own standards of judgment to less familiar works either of the past or of the present. The advanced courses cover only the post-classical field to avoid duplication of courses in other departments. Course 1-2 or 51-52 is a prerequisite for all courses except as hereafter noted.

1-2. *History of Art.*—The survey course for Freshmen is designed to help the new student in relating the different manifestations of art in each period with the civilization which produced them. It therefore treats the historical background, architecture, sculpture, painting, and the minor arts of each style as a unit, emphasizing Greek sculpture, French medieval architecture, and Italian Renaissance painting. 6 s.h. (E)

1, ASSISTANT PROFESSOR McDONALD; 2, ASSISTANT PROFESSOR HALL

51-52. *History of Art.*—The survey course for upperclassmen treats each art as a unit, relating it to its background and its companion arts wherever possible, but leaving many of the problems of correlation to the initiative of

the student. The development of architecture is considered in course 51, the development of sculpture and painting in course 52. Courses 51 and 52 are both offered each semester. Credit for a single semester will be given only to Seniors electing it during their last semester. The courses are not open to Freshmen or to students who have had course 1-2. 6 s.h. (w & e)

51, ASSISTANT PROFESSOR HALL; 52, ASSISTANT PROFESSOR McDONALD

**53-54. Theory of Representation and Design.**—A consideration of the general theory of tone relations, of the different modes of representation, and of the theory of design. The course aims to give a thorough understanding of the principles governing the art of drawing and painting as practiced in the past and at the present time. It will be open only to students who are enrolled in, or have already completed, a full course in the Department. One lecture and four laboratory hours. 6 s.h. (E)

DR. SUNDERLAND

**93. American Painting and Sculpture.**—A study of the slow development of a cultural tradition in the United States in the wake of political and social progress; of the prolonged influence of the European schools; and of the growing independence of contemporary artists. Open to Seniors, Juniors, and Sophomores without prerequisite. 3 s.h.

DR. SUNDERLAND

[Not offered in 1940-41]

**95. Art of the Near and Middle East.**—A study of the art and architecture of the Islamic World and of India as it reflects the culture, the religion and philosophy of the major periods. Open to Seniors, Juniors, and Sophomores without prerequisite. 3 s.h. (E)

ASSISTANT PROFESSOR McDONALD

**97. Art of the Far East.**—A study of the art and architecture of China, Korea, and Japan. Special attention will be given to the historical background, and the religious and philosophical developments within these countries which underlay the artistic changes. Open to Seniors, Juniors, and Sophomores without prerequisite. 3 s.h. (E)

ASSISTANT PROFESSOR McDONALD

[Not offered in 1940-41]

**101. Medieval Architecture.**—A survey of Christian architecture in the Near East and in Western Europe from its origins in the Late Classic period to its disintegration in the fifteenth century. 3 s.h. (E)

DR. SUNDERLAND

**102. Medieval Art.**—A study of the art and culture of Medieval Europe from pre-Carolingian sources to the collapse of Feudal Europe in the fifteenth century. Special emphasis will be placed upon cultural background, and the religious and philosophical changes that underlay the artistic evolution of the period. Open to approved Seniors and Juniors. 3 s.h. (E)

ASSISTANT PROFESSOR McDONALD

**103. Renaissance and Baroque Architecture: Italy.**—A survey of architecture in Italy during the fifteenth, sixteenth, and seventeenth centuries, studied through the works of individual architects and their schools. 3 s.h.

[Not offered in 1940-41]

ASSISTANT PROFESSOR HALL

**104. Renaissance and Baroque Architecture: Spain and the North.**—An inquiry into the spread of Italian Renaissance influence in architecture throughout Spain, France, Germany, the Low Countries, and England in the sixteenth and seventeenth centuries. 3 s.h. (E)

ASSISTANT PROFESSOR HALL

[Not offered in 1940-41]

**105. European Architecture since 1700.**—A study of the changes in style, plan and material arising in the eighteenth century as the result of awakened interest in the past, political freedom of thought, and scientific invention; the parallel development of classicism and romanticism, the succeeding phases of eclecticism, and the rise of functionalism. 3 s.h. (E)

ASSISTANT PROFESSOR HALL

106. **Architecture of the Americas.**—An historical and critical survey of building in the Western Hemisphere. The work of the pre-European cultures and the European colonies is briefly studied; emphasis is placed on the influence of political and social conditions and of newly discovered materials on the architecture of the United States from the Early Republican period to the present. 3 s.h. (E)  
ASSISTANT PROFESSOR HALL

107. **Renaissance Painting and Sculpture.**—A study of the rise and development of Italian painting and sculpture from the fourteenth into the sixteenth century. 3 s.h.  
DR. SUNDERLAND

108. **Renaissance Painting and Sculpture: The North.**—A study of Flemish and German painting and sculpture of the fifteenth and sixteenth centuries beginning with the Van Eycks and culminating in the work of Breughel and Holbein. 3 s.h. (E)  
DR. SUNDERLAND

109. **Seventeenth-Century Painting.**—An analysis of the character and tendencies of seventeenth-century painting in Italy, Spain, and the Netherlands. Approved Seniors and Juniors admitted without prerequisite. 3 s.h. (E)  
DR. SUNDERLAND

110. **Painting and Sculpture since 1700.**—An investigation of impressionism in painting from its origins in the eighteenth century to its culmination in the work of Renoir, Cezanne, and Van Gogh. Approved Seniors and Juniors admitted without prerequisite. 3 s.h.  
DR. SUNDERLAND  
[Not offered in 1940-41]

120. **English Architecture.**—A study of the influences on architecture of the invasions and the conquest; the Renaissance under the Tudors and Stuarts; academism and the baroque; classicism and romanticism; eclecticism and functionalism. Open to approved Seniors and Juniors. 3 s.h. (E)  
ASSISTANT PROFESSOR HALL  
[Not offered in 1940-41]

COURSES OFFERED IN OTHER DEPARTMENTS ACCREDITED IN THIS DEPARTMENT

Greek 141-142. Greek Art.

Greek 247-248. Greek Archaeology.

Latin 115. Architecture of Ancient Rome.

Latin 215. Introduction to Roman Art and Archaeology.

Latin 216. Topography and Monuments of Ancient Rome.

Philosophy 201-202. The Philosophy of Art.

Philosophy 213-214. History of Aesthetics.

Psychology 202. Psychology of Aesthetics.

DEPARTMENTAL MAJOR

*Prerequisites:* 1-2 or 51-52.

*Major Requirements:* 53-54, and eighteen hours in courses chosen from the departmental offerings, or from courses in other departments accredited in this Department.

FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN; PROFESSORS BEAL, SCHUMACHER, WACKERMAN, AND WOLF; ASSOCIATE PROFESSORS HARRAR, MAUGHAN, AND THOMSON; ASSISTANT PROFESSOR COILE

Forestry 52 is open to all Sophomore, Junior, and Senior students in Duke University and is intended to afford a better understanding of trees and forests and of the economic and social importance of forests and forestry. The other courses are designed as part of a program of training in technical forestry leading to the professional graduate degree of Master of Forestry (see *Bulletin*

of the *School of Forestry*). However, with the consent of the instructor in charge, certain of the forestry courses may be elected by students in other curricula provided they have had adequate preparation.

Students without a Bachelor's degree who are preparing for work in forestry as a profession should take the courses outlined in the pre-forestry curriculum.

**52. Principles of Forestry.**—An introduction to forestry emphasizing the economic and social importance of forests and their influence on stream flow, water supply, soil, and erosion; brief studies of individual trees and the life history of forests and their reproduction, treatment, and protection; principal forest regions and timber trees of United States; a brief history of forestry in America and present-day forestry agencies. Work consists of lectures, assigned readings, and reports. Open to Sophomores, Juniors, and Seniors. **2 s.h. (w)**

ASSOCIATE PROFESSOR THOMSON

**S150. Forest Surveying.**—Application of plane surveying to forest problems; practice in making boundary and topographic surveys of forested tracts, using both intensive and extensive methods. Work includes use of transit, level, traverse board, topographic abney and slope tape, and aneroid barometer. Prerequisites: Civil Engineering, S110, Plane Surveying, or equivalent. *Five weeks, eight hours a day, beginning June 21.* **5 s.h. (w)**

ASSOCIATE PROFESSOR MAUGHAN

**S151. Forest Mensuration.**—Field studies in methods of measuring content and growth of trees and forest stands; practice in timber estimating, log scaling, use of mensurational instruments, and collection of basic data. *Four weeks, eight hours a day, beginning July 26.* **4 s.h. (w)**

PROFESSOR SCHUMACHER

**211. Harvesting Forest Products.**—Methods of harvesting and transporting to utilization plants all products obtained from forests, including saw logs, pulpwood, poles, ties, stave and veneer bolts, naval stores, distillation wood, and other commercial commodities, with emphasis on application of methods best adapted to managed forests in important forest regions of North America and consideration of costs. **3 s.h. (w)**

PROFESSOR WACKERMAN

**212. Forest Products Industries.**—Preparation, manufacture, and use of tree products for all purposes including lumber, paper, naval stores, veneer, cooperage, boxes, distillation, and other specialized products with emphasis on methods of manufacturing and kinds of wood required for various commodities. Inspection of typical forest operations and forest products manufacturing plants in the South during two weeks of spring semester. Prerequisite: Forestry 211 or equivalent. **3 s.h. (w)**

PROFESSOR WACKERMAN

**224. Forest Pathology.**—Special reference to diseases of forest trees. Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. **4 s.h. (w)**

PROFESSOR WOLF

**231. Forest Entomology.**—Morphology, general classification, life histories, and control of insects injurious to forest trees, logs, and lumber. **3 s.h. (w)**

PROFESSOR BEAL

**251. Sampling Methods in Forestry.**—Statistical background for solution of sampling problems with special reference to sample inventory of a forest property. Prerequisite: Forestry S151. **2 s.h. (w)**

PROFESSOR SCHUMACHER

**252. Forest Mensuration.**—Empirical equations and curve fitting appropriate for construction of timber yield tables, tree volume and taper tables; significance tests and graphical solution of equations. Assignments require operation of calculating machines. Prerequisite: Forestry 251. **2 s.h. (w)**

PROFESSOR SCHUMACHER



**253-254. Dendrology.**—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. 4 s.h. (w)

ASSOCIATE PROFESSOR HARRAR

**257. Design of Forestry Experiments and Analysis of Data.**—Role of experimental design in field and laboratory, and statistical analysis of data as aspects of scientific method in forest research. 5 s.h. (w)

PROFESSOR SCHUMACHER

**259. Wood Anatomy and Properties.**—Anatomical, chemical, and non-mechanical physical properties of wood; macroscopic and microscopic identification of more important woods of the United States. Prerequisites: one year of Botany and Chemistry 1 and 2, or equivalents. 3 s.h. (w)

ASSOCIATE PROFESSOR HARRAR

**260. Timber Mechanics.**—Comprehensive study of mechanical properties of wood and factors affecting its strength; strength-moisture relationships; standard methods of timber testing and application of strength data in development of working stresses; use of graphic statics in analysis of stress in wooden structures. Prerequisites: Physics 1 and Forestry 259, or equivalents. 3 s.h. (w)

ASSOCIATE PROFESSOR HARRAR

**261. Forest Soils.**—Origin, development, and classification of soils with special emphasis on those developed in climates supporting forests; morphological, physical, and chemical properties of soils in relation to growth of trees; field identification, field sampling, laboratory analysis, and interpretation of field and laboratory observations; interrelationships of soil and forest cover. Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. 3 s.h. (w)

ASSISTANT PROFESSOR COILE

**264. Silvics.**—Ecological foundations of silviculture with special reference to forest site factors; influence of forests on their environment; growth and development of trees and stands; origin, development, and classification of forest communities; methods of studying forest environments. Desirable prerequisites: Plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. 3 s.h. (w)

PROFESSOR KORSTIAN

**266. Forest Seeding and Planting.**—Place of artificial regeneration in practice of forestry; reforestation surveys and plans; collection, extraction, cleaning, testing, and storage of forest tree seeds; direct seeding; nursery practice; forest planning. 2 s.h. (w)

PROFESSOR KORSTIAN

**273. Forest Protection.**—Fundamental principles of forest protection; protection against atmospheric agencies, injurious plants, insects, domestic animals, and wild life; causes of forest fires and their prevention; presuppression activities; fire suppression; fire control costs and standards; fire plans. 2 s.h. (w)

ASSOCIATE PROFESSOR THOMSON

**276. Forest Policy.**—Critical study of forestry movement and development of a forestry policy, particularly in United States; brief résumé of forestry in important foreign countries; public land laws of United States; development of federal and state forestry; forestry laws. 2 s.h. (w)

ASSOCIATE PROFESSOR THOMSON

**279. Economics of Forestry.**—Principles of forest economics. Economic and social values of forests; forest resources and wood requirements; economics of wood production and consumption; prices of forest products; forestry and public finance; forestry and land use; forestry credit; forest fire insurance; forestry as a private business enterprise. Prerequisite: at least one course in the principles of economics. 3 s.h. (w)

ASSOCIATE PROFESSOR THOMSON

## GEOLOGY

ASSOCIATE PROFESSOR BERRY

**51. General Geology.**—This course is designed to give a general view of the surface features of the earth, their origin, structure, and materials. Illustrative materials are studied in the laboratory. Excursions are made to neighboring points where the principles of the science are studied in the field. Three one-hour lectures or recitations and one three-hour laboratory. 4 s.h. (w)

ASSOCIATE PROFESSOR BERRY

**52. General Geology.**—This course is designed to give some knowledge of the chief events of the earth's history. Excursions will be made to suitable neighboring localities. Three one-hour lectures or recitations and one three-hour laboratory. Prerequisite: Geology 51. 4 s.h. (w)

ASSOCIATE PROFESSOR BERRY

**101-102. Mineralogy.**—This course is devoted to a study of the fundamentals of crystallography and the crystal groups, using crystal models and crystallized minerals. Followed by the systematic study of about 175 important minerals. Determinative work includes exercises on sight recognition, identification by blowpipe, and other physical and chemical tests. Excursions will be made to neighboring mineral localities. Three two-hour periods. Prerequisite: Chemistry 1-2 (can be taken concurrently). 8 s.h. (w)

ASSOCIATE PROFESSOR BERRY

**151. Economic Geology.**—Study of world distribution, geologic occurrence, and uses of important mineral deposits. Three two-hour periods. Prerequisite: Geology 101-102. 4 s.h. (w)

ASSOCIATE PROFESSOR BERRY

**152. Introductory Paleontology.**—Systematic study of invertebrate paleontology, dealing mainly with generic characters of the fossil invertebrates and their use in identifying and correlating geologic formations. Three two-hour periods. Prerequisites: Geology 51, 52 and Zoology 1. 4 s.h. (w)

ASSOCIATE PROFESSOR BERRY

## DEPARTMENTAL MAJOR

*Prerequisites:* None for Geology 51. Chemistry 1-2 for Geology 101-102; Zoology 1 for Geology 152.

*Major Requirements:* Geology 51, 52, 101-102, 151, 152.

## GERMAN LANGUAGE AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN; ASSISTANT PROFESSOR MAXWELL, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS KRUMMEL AND WANNAMAKER; DR. SHEARS; MR. YOUNG

Freshmen entering college with *two* units of German take German 3-4. Freshmen entering with *three* units must pass a qualifying examination in second-year college German if they desire to enter third-year college German (German 51-52) and complete their language requirement in one year.

Sophomores, who have passed German 1-2, take German 3-4. Those who have passed German 3-4, normally take German 51-52. Students in the Pre-medical Group, however, who have attained in their Freshman year an average of at least "C" in German 3-4 may go directly into German 107-108 (Scientific German) in their Sophomore year. Sophomores who passed German 51-52 in their Freshman year may take any course in the 100 group.

Juniors who desire to begin the study of German, may receive full advanced course credit by taking German 101-102. Those who have passed German 1-2, may take either German 3-4 or 103-104. Pre-medical Juniors, who received at least "B" in their Sophomore year in German 101-102, may



enter German 107-108. Those who have passed German 3-4 or 51-52 may take any course in the 100 group (except 101-102, 103-104). Those who have passed a 100 course, take any course in the 100 or 200 groups.

Seniors who desire to take one year of German, may receive full advanced course credit by passing German 101-102. Those who have passed German 1-2 or 101-102, take German 103-104. Those who have passed second-year college German here or elsewhere take any course in the 100 group. Seniors majoring in German and those who have passed third-year college German are expected to take courses in the 200 group.

Although courses in the 100 and 200 groups are regarded as full-year courses, one semester may be taken for 3 semester-hours credit with the consent of the instructor. The 100 courses (except 101-102, 103-104) are third-year German courses for Juniors and Seniors only. (See note on pre-medical Sophomores above.)

1-2. **Elementary German.**—6 s.h. (E & W)  
ASSISTANT PROFESSOR WILSON AND STAFF

3-4. **Intermediate German.**—6 s.h. (E & W)  
PROFESSOR KRUMMEL AND STAFF

51-52. **German Civilization.**—(Third-year college German for Freshmen and Sophomores only.) A transition course between Intermediate German and the literary and scientific courses of the 100 and 200 groups. 6 s.h. (W)

101-102. **Elementary German.**—For Juniors and Seniors primarily. 6 s.h. (W)

103-104. **Intermediate German.**—For Juniors and Seniors primarily. 6 s.h. (W)

107. **Scientific German.**—The German language as used in the various contemporary sciences. 3 s.h. (W)  
PROFESSOR WANNAMAKER AND ASSISTANT PROFESSOR MAXWELL

108. **Advanced Scientific and Medical German.**—Advanced scientific German with special emphasis on medical German. 3 s.h. (W)  
PROFESSOR WANNAMAKER AND ASSISTANT PROFESSOR MAXWELL

109-110. **German Prose Fiction.**—Origin and development of the German novel with special emphasis on the nineteenth century. 6 s.h. (W)  
PROFESSOR KRUMMEL

111-112. **Introduction to the Classic Drama.**—Selected dramas from Lessing, Goethe and Schiller. 6 s.h. ASSISTANT PROFESSOR WILSON  
[Not offered in 1940-41]

113-114. **Nineteenth-Century German Poetry.**—In the first semester the lyric is studied and in the second semester the ballad. 6 s.h. (E)  
ASSISTANT PROFESSOR WILSON

115-116. **German Drama of the Nineteenth Century.**—A study of leading dramatists from Kleist to Hauptmann. 6 s.h. PROFESSOR KRUMMEL  
[Not offered in 1940-41]

119-120. **Nibelungenlied to the Twentieth Century.**—The great epochs in German literature studied through English translations. 6 s.h. (W)  
[Cannot be taken for foreign language credit.] PROFESSOR VOLLMER

121-122. **Schiller.**—A study of his life and works in relation to the culture of the eighteenth century. 6 s.h. PROFESSOR VOLLMER  
[Not offered in 1940-41]

123-124. **Modern German Short Story.**—Development and technique of the novelle. 6 s.h. (w) DR. SHEARS

125-126. **Contemporary German Literature.**—A study of representative works of the twentieth century. 6 s.h. DR. SHEARS  
[Not offered in 1940-41]

127-128. **Survey of Nineteenth-Century German Literature.**—Representative selections from all important literary schools from romanticism to contemporary realism. 6 s.h. PROFESSOR VOLLMER  
[Not offered in 1940-41]

201-202. **Goethe.**—A study of Goethe's life and works, with special emphasis upon the broader aspects of his ever widening interests and literary activities. 6 s.h. (w) PROFESSOR KRUMMEL  
[Not offered in 1940-41]

207-208. **German Romanticism.**—The course covers the entire field of German romanticism from 1800 to 1850. 6 s.h. (w) PROFESSOR VOLLMER  
[Not offered in 1940-41]

209-210. **Kleist, Grillparzer, and Hebbel.**—The dramatic development in Germany after Schiller. 6 s.h. (w) PROFESSOR KRUMMEL

211-212. **Heinrich Heine and Young Germany.**—Heine's life and thought, culminating in the Jungdeutschland Movement. 6 s.h. (w) PROFESSOR VOLLMER

213-214. **Literature of the Empire, 1871-1914.**—A study of the literature of this period as determined particularly by the philosophical, social, political, and religious factors. 6 s.h. (w) PROFESSOR VOLLMER

#### DEPARTMENTAL MAJOR

1. *Prerequisites:* German 1-2 and 3-4.

2. *Major Requirements:* Twenty-four hours in the German Department. Twelve of these must be selected from the 200 courses. The remaining twelve may be selected from German 51-52 and any courses in the 100 group except 101-102, 103-104 and 119-120.

#### HONORS IN GERMAN

##### *Prerequisites:*

1. For admission to candidacy for Honors in German, a student must have begun the study of the language not later than the Freshman year in college.

2. A student who has completed at least 12 s.h. of college German by the end of the Sophomore year with a grade of "A" or "B" (equivalent courses in secondary schools or in other colleges may be presented as substitutes) is eligible to apply to the Departmental Committee for permission to read for Honors in German.

##### *General Rules:*

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

II. *Work in the German Department:* The amount of work taken in the German Department shall be the equivalent of thirty-six semester-hours. Of this the work done in the Honors tutorials shall count twelve hours, six hours for the Junior year and six hours for the Senior year. The comprehensive examinations at the end of the Senior year are counted as part of this twelve semester-hours credit.

III. *Related Work:* The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours,

must be distributed among not less than two departments, unless the Departmental Committee gives special permission for the student to take his related work in one department.

IV. *General Honors Examinations*: In May of the Senior year the candidate will be given a general written examination, conducted by his Adviser, on his Honors Reading. A general oral examination, conducted by the Departmental Committee and presupposing a general knowledge of the development of German culture and civilization and a practical ability in the use of the German language, will also be conducted in May.

## GREEK

PROFESSOR PEPPLER, CHAIRMAN, AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. TRUESDALE, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT PROFESSOR WAY

Courses 15, 121-122, 141-142, and 131 are entirely in English and require no knowledge of the Greek language. The purpose in offering them is to give a wider circle of students some conception of the debt which modern civilization owes to the Greeks.

1-2. **Course for Beginners.**—6 s.h. (w) Open to all students.

DR. TRUESDALE

53-54. **Xenophon.**—*Anabasis*, Books I-IV. Open to students who offer one unit of Greek for admission and to those who have completed course 1-2. 6 s.h. (w)

DR. TRUESDALE

105-106. **Homer.**—*Iliad*, Books I-VI. Open to students who offer two units of Greek for admission and to those who have completed courses 1-2 and 53-54 or their equivalent. 6 s.h. (w)

PROFESSOR PEPPLER AND DR. TRUESDALE

107-108. **Plato.**—*Apology*, *Crito*, and selections, together with collateral reading in the *Memorabilia* of Xenophon and in the *Clouds* of Aristophanes. **Euripides.**—One play to serve as an introduction to Greek tragedy. Open to students who offer three units for admission and to others who have completed the required preliminary work. 6 s.h. (w)

DR. TRUESDALE

15. **Mythology.**—A study of Greek mythology and the use made of it in art and English literature. No knowledge of the Greek language is required. Open to Freshmen as an elective in either semester. 3 s.h. (w)

DR. TRUESDALE

115-116. **Sight Reading in Greek.**—Three hours per week through the year. 4 s.h. (w)

ASSISTANT PROFESSOR WAY AND DR. TRUESDALE

117-118. **Greek Prose Composition.**—The character of this course is determined by the needs of the students who elect it. 3 s.h. (w)

PROFESSOR PEPPLER

121-122. **Greek Literature in English Translation.**—The purpose of this course is to give a general survey of the life and civilization of the Greeks, especially to those who have never studied the language but wish to become acquainted with some of the choicest portions of the literature by the use of translations. It is, however, open as an elective to all Juniors and Seniors, whether they know Greek or not. First, the *Iliad* and the *Odyssey* are read in translation and illustrated with stereopticon views of the excavations and discoveries at Troy and other cities of the Aegean age; then, many of the extant plays of the three great tragic poets are studied in English translations. 6 s.h. (w)

PROFESSOR PEPPLER

*The student may elect course 122, whether he has taken course 121 or not.*

141-142. Greek Art.—Lantern lectures, introduced or supplemented by formal lectures dealing mainly with Greek sculpture and Greek architecture. Some account is given of Egyptian and Mesopotamian art by way of introduction. No knowledge of Greek is required. 6 s.h. (w)

ASSISTANT PROFESSOR WAY

131. History of Greece.—The history of Greece with introductory matter relating to the Aegean civilization. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

201-202. Greek Tragedy.—Selected plays. 6 s.h. (w)

PROFESSOR PEPPLER AND ASSISTANT PROFESSOR WAY

203-204. Homer.—*Odyssey*. Pindar and Bacchylides. 6 s.h. (w)

DR. TRUESDALE

205-206. Greek Historians.—Herodotus, Book VII; Thucydides, Book VII. 6 s.h. (w)

PROFESSOR PEPPLER

207-208. Greek Orators.—Selected speeches. 6 s.h. (w)

ASSISTANT PROFESSOR WAY

209-210. Plato.—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h. (w)

ASSISTANT PROFESSOR WAY

211-212. Aristophanes.—Selected comedies. 6 s.h. (w)

PROFESSOR PEPPLER

*Only one of the six year-courses for Seniors and Graduates (201-212), listed above, is offered each year.*

243. Athenian Topography.—The topography and monuments of ancient Athens. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

244. Greek Epigraphy.—Lectures on the history of the alphabet and the development of the local Greek alphabets, followed by extensive reading of inscriptional texts in facsimile. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

245. Greek Dialects.—A linguistic study of transliterated inscriptions illustrative of the major Greek dialects. The interrelations of the dialectal forms are examined with reference, where possible, to their origin in pre-ethnic Greek. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

246. Greek Historical Inscriptions.—The more valuable historical inscriptions are read in chronological order and interpreted in their general bearing upon the course of Greek history. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

247-248. Greek Archaeology.—Advanced course in the general field for Seniors and Graduates, comprising architecture, sculpture, vases and the minor arts. 6 s.h. (w)

ASSISTANT PROFESSOR WAY

*Of the courses numbered from 243 to 248 only two semester-courses are offered each year.*

#### DEPARTMENTAL MAJOR

*Prerequisites:* Greek 1-2.

*Major Requirements:* A candidate for a major in Greek must complete twenty-four semester-hours, including the following courses: Greek 53-54, 105-106, 107-108, 117-118, and 131.

#### DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in Greek the student must have completed Greek 1-2 and 53-54 or their equivalent.

Candidates for Honors must complete the following program of work:

- (a) Greek 105-106, 131, 141-142, 107-108, 122, and 117-118.
- (b) Four year-courses in related departments.

(c) The Honors Reading. This is tutorial work in which the student is required to read assigned portions of Greek literature by himself, to write papers on topics related to his reading, and to meet the Honors Adviser in weekly conferences for the discussion of the literature that he is reading independently. For the Honors Reading a credit of nine semester-hours is given.

Students who enter the University with advanced standing in Greek take higher courses in the language than those listed above.

At the end of the Senior year candidates for Honors must pass a comprehensive examination in writing on the subject matter covered by their studies in Greek.

*Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.*

## HEALTH AND PHYSICAL EDUCATION

### TRINITY COLLEGE

MR. WADE, DIRECTOR; MESSRS. AYCOCK, CALDWELL, CAMERON, CARD, CHAMBERS, CLARK, COOMBS, CRICHTON, FOGLEMAN, GERARD, HAGLER, LEWIS, PERSONS, STANLEY, WARREN

#### REQUIRED PHYSICAL EDUCATION FOR MEN

Six-hours credit in physical education with an average grade of "C" must be completed for graduation. Three hours a week through the Sophomore year are needed to fulfill this requirement. All students must enroll in physical education until they have completed the requirement.

All students are required to take a medical and physical examination before registering. Those who reveal pronounced physical deficiencies are excused from regular courses in physical education and are required to take the course entitled "Individual Corrective Activities." Students assigned to this work continue to take it until they have been pronounced reasonably sound. Thereupon they withdraw from this course and register in the regular physical education course. A student may take from one to eight semesters of this special work. Students without defects may elect to take any four courses they choose. In general, these activities fall in one of three groups: those developing physical efficiency; those affording competitive contests; and those occupying recreative or leisure time. Since a student is not allowed to take the same course twice, he covers four courses in the two years of required work.

Students may receive physical education credit for participation in Freshman and varsity intercollegiate sports.

A regulation uniform, consisting of shirt, trunks, supporter, socks and sweat clothes, will be furnished each student upon payment of the Equipment and Recreation Fee and Laboratory Fee (see pages 155 and 156). Each student is required to provide rubber-soled shoes.

#### PHYSICAL EDUCATION CLASSES

1-2. Basketball.—1½ s.h.	MR. CALDWELL
3-4. Boxing.—1½ s.h.	MR. WARREN
5-6. Individual Corrective Activities.—1½ s.h.	MR. CHAMBERS
7-8. Handball.—1½ s.h.	MR. GERARD
9-10. Softball.—1½ s.h.	MR. STANLEY



11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Swimming.—1½ s.h.	MR. PERSONS
15-16. Touch Football.—1½ s.h.	MR. GERARD
17-18. Tennis.—1½ s.h.	MR. FOGLEMAN
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Track.—1½ s.h.	MR. LEWIS
25-26. Wrestling.—1½ s.h.	MR. WARREN
27-28. Apparatus Stunts.—1½ s.h.	MR. CARD
55-56. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
59. Baseball.—1½ s.h.	MR. COOMBS
61-62. Golf.—1½ s.h.	MR. CRICHTON AND MR. HAGLER

#### INTERCOLLEGIATE ATHLETIC SPORTS

FRESHMEN	VARSIITY
30. Baseball.—1½ s.h.	70. La Crosse.—1½ s.h.
32. Basketball.—1½ s.h.	80. Baseball.—1½ s.h.
37. Football.—1½ s.h.	82. Basketball.—1½ s.h.
38. Football.—1½ s.h.	83. Basketball.—1½ s.h.
41. Cross Country.—1½ s.h.	87. Football.—1½ s.h.
42. Swimming.—1½ s.h.	88. Football.—1½ s.h.
44. Tennis.—1½ s.h.	90. Golf.—1½ s.h.
46. Track.—1½ s.h.	91. Cross Country.—1½ s.h.
48. Wrestling.—1½ s.h.	92. Tennis.—1½ s.h.
50. La Crosse.—1½ s.h.	93. Soccer Football.—1½ s.h.
	94. Swimming.—1½ s.h.
	95. Track.—1½ s.h.
	96. Track.—1½ s.h.
	98. Wrestling.—1½ s.h.

#### ELECTIVES IN PHYSICAL EDUCATION

Students in Group VI A may elect twelve semester-hours from the courses offered below. Three semester-hours may be elected from the courses listed under Special Methods in Physical Education and nine semester-hours may be elected from the courses listed under Theory and Practice in Physical Education.

These courses are arranged to meet the increasing demand for teachers who are qualified to coach and teach physical education. These courses should be selected with the advice of the Director of Undergraduate Studies in order to meet the needs of the individual.



## SPECIAL METHODS IN PHYSICAL EDUCATION

163. **Athletic Coaching in Secondary Schools.**—Theory and practice in the fundamentals of coaching baseball and track. Prerequisites: courses 30 or 80 and 21-22 or 46 or 96 or their equivalent. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. COOMBS, MR. CHAMBERS

164. **Athletic Coaching in Secondary Schools.**—Theory and practice in the fundamentals of coaching football and basketball. Prerequisites: courses 37 or 87 and 1-2 or 32 or 82 or their equivalent. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. WADE, MR. STANLEY, MR. CAMERON

## THEORY AND PRACTICE IN PHYSICAL EDUCATION

65. **History and Principles of Physical Education.**—A study of the objectives and principles upon which physical education is based. The history of physical education is studied in order to show the changes in objectives, principles, and methods and as an aid in the interpretation of trends. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. AYCOCK, MR. GERARD

172. **Recreational Leadership.**—Combative contests, games, mass athletics, supervision of community recreation. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. GERARD

173. **Individual Gymnastics.**—The diagnosis of abnormal cases, including overweight, underweight, post-operative, postural, and flat-foot cases, with the prescription of exercise for their correction. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. AYCOCK

182. **The Administration of Health and Physical Education in Secondary Schools.**—Presents the everyday problems that arise in the experience of the teacher of health and physical education. Open to Juniors and Seniors. 3 s.h. MR. AYCOCK, MR. GERARD

187. **School Programs of Physical Education.**—Open to Juniors and Seniors. 3 s.h. MR. GERARD

190. **Protective Practices in Physical Education.**—A study of safety measures including training and first aid. Open to Juniors and Seniors. 3 s.h. MR. CHAMBERS

## WOMAN'S COLLEGE

ASSISTANT PROFESSOR GROUT, CHAIRMAN;  
MISS DOWLING, MISS LEWIS, MRS. ROGERS, AND MISS WYCHE

Six-hours credit in physical education, with an average grade of "C," must be completed for graduation. For women students two hours a week through the Junior year are needed to fulfill this requirement.

All students are given a physical and medical examination upon entering and at intervals throughout their college course. Classes in individual gymnastics and light sports are arranged for those who should not take the more active work.

*For information concerning gymnasium costumes and fees refer to pages 153 and 156.*

## ACTIVITIES OFFERED

*October to December:* Badminton, diving, golf, hockey, recreational sports, riding, soccer, swimming, tennis, volleyball.

*December to March:* Basketball, body mechanics, bowling, clog and tap dancing, folk dancing, social dancing, modern dance, fencing, gymnastics, individual gymnastics, life saving, riding, swimming.

*March to June:* Archery, badminton, diving, fencing, golf, modern dance, riding, softball, swimming, tennis.

#### ELECTIVES IN PHYSICAL EDUCATION

In view of the fact that there is an increasing demand for teachers of general subjects who are qualified to assist in physical education in the public schools, the following courses are offered as electives for prospective teachers and as introductory courses for students planning to continue the study of physical education as a profession. Students other than those in Group VI do not receive academic credit for these courses.

**81. History and Principles of Physical Education.**—Prerequisite: Educational Psychology. An historical survey of physical education stressing the relation between the types of activity developed and the social and political ideals of different nations and periods. An interpretation of aims and objectives; a study of the relative values of the activities in a program of physical education. 3 s.h. (E)  
ASSISTANT PROFESSOR GROUT

**102. The Teaching of Physical Education in Elementary Schools.**—Required of women students in Group VI B. A course intended to familiarize prospective elementary school teachers with methods and materials used in teaching physical education to children; includes discussions on the theory of physical education, and practice in teaching elementary school activities. Courses 102 and 185 are mutually exclusive. Open to Sophomores, Juniors, and Seniors. 3 s.h. (E)  
ASSISTANT PROFESSOR GROUT

**108. Recreation Leadership.**—This course includes a study of the recreational needs of adolescents and adults; qualities and preparation for leadership; the administration of playgrounds and play centers, including the local community set-up; materials and methods for directing recreational activities. Valuable for students interested in community work. Open to Sophomores, Juniors, and Seniors. 2 s.h. (E)  
MISS DOWLING

**181-182. Methods of Teaching Athletic Activities.**—A course in the theory and practice of teaching and officiating in team games and athletic sports for girls and women. Open to Juniors and Seniors. 6 s.h. (E)  
THE STAFF

**185. The Teaching of Physical Education in Secondary Schools.**—This course is intended to give prospective high-school teachers an acquaintance with problems connected with physical education in secondary schools in order that they may be better fitted to help with high-school athletics in communities where no physical education teacher is provided. Discussions and practice teaching. Courses 185 and 102 are mutually exclusive. Open to Sophomores, Juniors, and Seniors. 3 s.h. (E)  
ASSISTANT PROFESSOR GROUT

#### HYGIENE

**41. Hygiene.**—A study of personal and community health problems including the essential facts of anatomy, physiology, body mechanics, and mental hygiene. Emphasis is placed on the practical application of hygienic principles to individual needs. *Either semester.* 3 s.h. (E)  
MISS WYCHE

**S112. Personal and School Hygiene.**—General, personal, and school hygiene with some instruction in anatomy and physiology; cause, transmission, and prevention of communicable diseases; the more common defects of school children; schoolhouse sanitation; medical inspection; etc. 3 s.h. (E)  
MISS GARDINER

## HISTORY

PROFESSOR LAPRADE, CHAIRMAN; ASSOCIATE PROFESSOR NELSON, DIRECTOR OF UNDERGRADUATE STUDIES; DR. HAMILTON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BALDWIN, CARROLL, AND SYDNOR; ASSOCIATE PROFESSORS CLYDE AND LANNING; ASSISTANT PROFESSORS MANCHES-TER, QUINN, ROBERT, STILL, AND WOODY; DRs. FERGUSON, McCLOY, PARKER, ROPP, WATSON; MR. MUNYAN; MISS CHAFFIN (PART-TIME)

The undergraduate courses in history are designed to afford (1) an introduction to the study of history by a survey of the history of modern Europe; (2) a more intensive study of general American history; (3) opportunities for more advanced study of phases of American, English, European, Hispanic-American, and Eastern history which interest the teachers and students.

Course 1-2 or 51-52 is a prerequisite for all other courses; courses 91 and 92 are prerequisite for courses 114, 119-120, 121-122, 153-154, 209-210, 215-216, 263-264, 265-266. Sophomores who took only one semester of course 1-2 in the Freshman year may be admitted to courses 91 and 92, 61-62, or 65-66, provided they made a grade of "B" or above on the semester taken. Courses offered for Seniors and Graduates are limited to twenty-five students; Juniors may not elect them without special permission from the Department and the Council on Graduate Instruction. Sophomores must obtain permission of the instructor in order to be admitted to courses numbered above 100; students who are not fully qualified Sophomores will not be admitted to these courses.

**1-2. Modern and Contemporaneous Europe.**—In this course the development of modern Europe since the middle of the sixteenth century is traced with special reference to the rise of nationality, the Industrial Revolution, scientific thought, domestic politics in the leading states, colonial expansion, diplomacy, and the World War. **6 s.h. (w & e)**

Sophomores and Juniors may not be admitted to this course. Courses 1 and 2 are each offered in both semesters. Either semester may be counted separately as an elective but not as fulfilling the minimum uniform requirements or as a basis of further work in history.

PROFESSOR CARROLL; ASSOCIATE PROFESSORS CLYDE AND NELSON; ASSISTANT PROFESSORS MANCHESTER AND QUINN; DRs. FERGUSON, HAMILTON, ROPP, AND WATSON; MISS CHAFFIN

**51-52. Modern and Contemporaneous Europe.**—The history of Europe since the beginning of the sixteenth century with special reference to the rise of nationality, the Industrial Revolution, colonial expansion, and international relations. **6 s.h. (w & e)**

Courses 51 and 52 are each offered in both semesters.

PROFESSOR BALDWIN, DRs. McCLOY AND PARKER, AND MR. MUNYAN  
[Not open to Freshmen or to students who have had course 1-2.]

**61-62. Russia and the Near East from Peter the Great to Stalin.**—The rise of Russia and its effect on international relations; the break-up of the Ottoman Empire and the formation of the Balkan states; the abolition of serfdom and the Industrial Revolution in Russia; the Russian Revolution; international, agrarian, and industrial policies of the Soviet Union; the Danube basin and the revival of German imperialism in the Near East; Arabian nationalism and the conflict of England and Italy in the Mediterranean area. Prerequisite: course 1-2 or 51-52. **6 s.h. (w)** DR. ROPP

**65-66. The Social and Cultural History of Western Europe in the Seventeenth and Eighteenth Centuries.**—**6 s.h. (w)** DR. McCLOY

**91. Political and Social History of the United States to 1850.**—A general study of the development of the United States, prefaced by a brief review of the Colonial era, covering the period from the Revolution through the Compromise of 1850. 3 s.h. (W & E)

ASSISTANT PROFESSORS ROBERT AND STILL; DR. WATSON

**92. Political and Social History of the United States since 1850.**—A continuation of course 91, concluding with an introduction to problems that have arisen in the United States since the World War. 3 s.h. (W & E)

ASSISTANT PROFESSORS ROBERT AND STILL; DR. WATSON

*Note: In courses 91 and 92 no texts are required, but each student pays a class fee of \$3.00 per semester with which all books to be read are purchased and placed in the libraries. This fee is collected through the Treasurer's Office.*

**101-102. Early European Civilization.**—A study of the development in Western Europe of the institutions and culture of ancient times and the middle ages. 6 s.h. (E)

*Sophomores who made an average grade of "B" or more on course 1-2 may be admitted to this course.*

ASSISTANT PROFESSOR QUINN

**105-106. English Constitutional History.**—A history of England with emphasis on constitutional aspects. This course is required of students in the pre-legal group in the Junior or Senior year. 6 s.h. (W) DR. HAMILTON

*Students who have had course 123-124 may not receive credit for this course.*

**107-108. Social and Cultural History of England.**—Chief attention is given to the period from the time of Chaucer to the present. Sophomores who made a grade of "B" or above on course 1-2 may be admitted to this course. 6 s.h. (E)

MR. MUNYAN

[Not offered in 1940-41]

**109-110. Political and Cultural Foundations of Modern Europe, 1400-1648.**—Special attention is given to the rise of humanism and the fine arts in the Italian cities and to the secular revolt from Rome. 6 s.h. (W)

ASSOCIATE PROFESSOR NELSON

**114. History of the United States since Reconstruction.**—Reconstruction and its aftermath; cultural, political, and economic development since 1876, agrarian and labor problems, the rise of large industry, the Spanish War and imperialism, the World War, and post-bellum problems. Prerequisites: courses 91 and 92. 3 s.h. (W)

ASSOCIATE PROFESSOR LANNING

**119-120. Social and Cultural History of the United States.**—A study of American life and manners with emphasis on religious, educational, and reform movements, on trends of literary and artistic expression, and on the social effects of a changing economy. Prerequisites: courses 91 and 92. 6 s.h. (W)

ASSISTANT PROFESSOR ROBERT

**121-122. The Church in American History.**—Among the subjects considered are the relation of theology and church government to political theory and practice, the social and political results of the Great Awakening and of ecclesiastical controversies, the part played by the Church in the American Revolution and in the making of state constitutions, in education, westward expansion, in the reform movements of the nineteenth century, labor controversies, the Civil and World Wars, and internationalism. Prerequisites: courses 91 and 92. 6 s.h. (E)

PROFESSOR BALDWIN

[Not offered in 1940-41]

**123-124. English History.**—A study of transitions in the political institutions and social development from the Norman Conquest to the present. 6 s.h. (W)

PROFESSOR LAPRADE

*Students who have had course 105-106 may not receive credit for this course.*



125. **The Ancient Regime, the French Revolution, and Napoleon.**—A study of the intellectual defenses of the Ancient Regime, the crumbling of these defenses during the eighteenth century, the Revolution and recent interpretations of that event, the rise and decline and fall of Napoleon. Readings will be assigned from the works of Locke, Voltaire, Montesquieu, and Rousseau; special attention is given to the fall of Napoleon. 3 s.h. (w)

DR. PARKER

126. **The Congress of Vienna and the Rise of the European Nations to 1870.**—A study of European history from the Congress of Vienna through the Franco-Prussian War emphasizing the growth of nationalism and the struggle of liberalism against conservatism, including attention to the Industrial Revolution, socialism, and Darwinism. Readings will be assigned from Mill, Mazzini, Marx, and Darwin; special attention is given to the diplomacy of Cavour and Bismarck. 3 s.h. (w)

DR. PARKER

127. **History of Latin America.**—3 s.h. (w)

ASSOCIATE PROFESSOR LANNING

130. **European Expansion Overseas.**—The age of discovery and exploration, the origin and development of the great European empires overseas, and the influence of this movement on the peoples of Western Europe. 3 s.h. (w)

ASSISTANT PROFESSOR MANCHESTER

**Ancient History.**—Greek 131—Latin 131-132.—See Departments of Greek, Latin and Roman Studies. These courses do not count toward a major in history. (w)

135. **Main Currents in European History, 1815-1914.**—3 s.h. (w)

[Not offered in 1940-41]

PROFESSOR CARROLL

136. **Europe since 1914, Including the Rise of the Totalitarian States, Russia, Italy, and Germany.**—3 s.h. (w)

[Not offered in 1940-41]

PROFESSOR CARROLL

141-142. **The Modern and Contemporary Far East.**—An introductory study of the colonial and imperialistic expansion of the Western world in the Far East during the nineteenth and twentieth centuries. 6 s.h. (w)

ASSOCIATE PROFESSOR CLYDE

153-154. **The History of the South.**—A study, beginning in the Colonial period, of the development of the Southern part of the United States with particular attention to its distinctive characteristics and institutions and to their influence in shaping Southern attitudes toward major questions of national policy. 6 s.h. (w)

PROFESSOR SYDNOR

FOR SENIORS AND GRADUATES

209-210. **American Constitutional History.**—A study of the Colonial foundations of American constitutional attitudes, the constitutional aspects of the American Revolution, the framing and ratification of the Constitution, the statehood process and the extension of democracy, the constitutional implications of sectional conflict, and the Supreme Court in its relation to the problems of an industrial America. Prerequisites: courses 91 and 92. 6 s.h. (w)

ASSISTANT PROFESSOR STILL

211. **The Teaching of History and the Social Studies (Education 225).**—3 s.h. (w)

ASSISTANT PROFESSOR MANCHESTER

215-216. **History of the United States' Foreign Policy.**—This course traces the history of American diplomacy since 1789. Prerequisites: courses 91 and 92. 6 s.h. (w)

[Not offered in 1940-41]

ASSOCIATE PROFESSOR CLYDE

217-218. **Europe since 1870.**—International relations since the Franco-German War is the chief subject of study in this course; special emphasis is placed upon the underlying economic and political influences. 6 s.h. (w)  
[Not offered in 1940-41] PROFESSOR CARROLL

219-220. **The History of the European Proletariat.**—This course is concerned chiefly with the origins, expansion, and organization of the industrial working classes of Europe. The following problems are emphasized: the decline of serfdom, the growth of an urban working class and social revolutions in England, France, and Germany prior to the eighteenth century, the results of the Industrial Revolution, and labor movements and theories during the nineteenth and twentieth centuries. 6 s.h. (w)  
[Not offered in 1940-41] PROFESSOR CARROLL

223-224. **Medieval Institutions and Culture.**—A consideration of the classical heritage, the Germanic infusion, development of ecclesiastical, feudal, monarchical, and communal institutions, relations of Church and State, the rise of universities, vernacular literatures, philosophy, and art in the period 300-1300 A.D. 6 s.h. (w)  
ASSISTANT PROFESSOR QUINN

221-222. **The Age of the Renaissance.**—A survey of social and cultural changes in Western Europe from Dante to Erasmus. 6 s.h. (w)  
ASSOCIATE PROFESSOR NELSON

225-226. **The Age of the Reformation.**—A survey of European civilization from 1500 through the Peace of Westphalia. 6 s.h. (w)  
[Not offered in 1940-41] ASSOCIATE PROFESSOR NELSON

231. **The Hispanic Colonies of the New World.**—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines. 3 s.h. (w)  
ASSOCIATE PROFESSOR LANNING

232. **Hispanic Republics of the New World.**—3 s.h. (w)  
ASSOCIATE PROFESSOR LANNING

233. **The Cultural and Institutional History of Colonial Hispanic America.**—3 s.h. (w)  
[Not offered in 1940-41] ASSOCIATE PROFESSOR LANNING

234. **Political and Social Problems in the Hispanic American Republics.**—3 s.h. (w)  
[Not offered in 1940-41] ASSOCIATE PROFESSOR LANNING

241-242. **Eastern Asia and the Pacific.**—A study of the westernization of China and Japan in the twentieth century with particular attention to the conflict between Western and Eastern political institutions, the rise of industry in Japan, the political and social revolution in China, military socialism in Manchukuo, the development of the Russian Far East, the conflict between Chinese nationalism and Japanese imperialism, and the status of Western colonies, including the intervention of the United States in the Philippines. 6 s.h. (w)  
ASSOCIATE PROFESSOR CLYDE

263-264. **American Colonial History and the Revolution, 1606-1783.**—The growth of institutions and economic life in the English colonies and the American Revolution. Prerequisites: courses 91 and 92. 6 s.h. (w)  
ASSISTANT PROFESSOR WOODY



265-266. **The Westward Movement in the United States.**—A study of the progress of settlement from the Atlantic to the Pacific Coast with especial attention to the transmission of culture, developments in transportation, the transition from agrarian to urban communities, the process of state-making, and the social, economic, and political effects of the westward march upon the United States as a whole. Prerequisites: courses 91 and 92. 6 s.h. (w)

[Not offered in 1940-41]

ASSISTANT PROFESSOR STILL

#### DEPARTMENTAL MAJOR

*Prerequisites:* The Introductory Course in History (1-2 or 51-52).

*Major Requirements:* Students in the General Group desiring to take a major in history are required to elect twenty-four semester-hours in the Department, including six semester-hours in the Senior year from courses in the 200 group. Students desiring to take the more advanced courses in American history should elect courses 91 and 92 in the Sophomore or Junior year.

#### DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in history who have passed with a grade of "B" or better in their Freshman and Sophomore years courses 91 and 92 in addition to the introductory course in European history.

Candidates for Honors in history are required to take in the Junior year two courses in history offered in the 100 group and to make an average grade of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of fifteen semester-hours of supervised reading in history, the candidate must elect with the approval of the Departmental Committee on Honors six semester-hours of work from the courses in history offered in the 200 group, on which he is required to make a grade of "B" or better and nine semester-hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester-hours shall be devoted to the classical historians such as Herodotus, Thucydides, Tacitus, Livy, Bede, and better-known chroniclers, Machiavelli, Gibbon, Hume, Voltaire, Ranke, and others; the equivalent of nine semester-hours shall be devoted to selected fields in either American or European history as the student may elect and the Departmental Committee advise.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

#### LATIN AND ROMAN STUDIES

PROFESSOR ROGERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR ROSBOROUGH; ASSISTANT PROFESSOR GATES

Work is offered in several branches of Roman Studies: Latin Language and Literature, Roman Art and Archaeology, Roman History, Roman Law. Students who present two entrance units in Latin should take course 3-4; those who present three entrance units should take courses 57 and 65 and follow up with courses 4 and 58 or 66, or both, the second semester; those who enter with four units of Latin should pursue course 41-42. A course for beginners, Latin 1-2 is open to all college students.

1-2. **Course for Beginners.**—Forms, vocabulary, pronunciation and syntax are emphasized the first semester, and will be followed by the reading and translating of Caesar's *Gallic War* the second semester. An effort is made to promote rapid development of ability to read easy Latin with satisfaction. 6 s.h. (w or e)

Dr. Rose

3. **Cicero's Oration.**—Four orations including the *Manilian Law* and *Archias* are read, and attention is paid to prose style. Prerequisite: two entrance units of Latin. 3 s.h. (w) ASSISTANT PROFESSOR GATES OR DR. ROSE

4. **Vergil's Aeneid.**—Selections from Books I-VI, to the amount of four books or more, will be read and translated, due attention being paid to prosody. Prerequisite: three entrance units and Latin 57 taken in the semester preceding admission to the course, unless Latin 3 was taken. 3 s.h. (w) ASSISTANT PROFESSOR GATES OR DR. ROSE

65-66. **Latin Prose Composition.**—Recommended to students who are pursuing courses 3-4, 57, and 41-42, and may at the discretion of the instructor be required of such students. 2 s.h. (E) DR. ROSE

41. **Livy's History of Rome.**—Selections from Books I, XXI, and XXII of *Livy's Ab Urbe Condita Libri*, together with selected parallel reading in English, will acquaint the student with a truly great literary artist. At the discretion of the instructor the following may be substituted for *Livy*: *Cicero's De Amicitia* and *De Senectute*, or Selected Prose Writers, or *Comedies of Plautus* and *Terence*. 3 s.h. (w & E) THE STAFF

42. **Horace.**—The Odes and Epodes. 3 s.h. (w & E) THE STAFF

53. **Sallust and Tacitus.**—The *Jugurtha* of Sallust, the *Agricola* of Tacitus. Prerequisite: Latin 41-42 or an equivalent. 3 s.h. (w or E) DR. ROSE

54. **Catullus.**—Most of the poems will be read, and Catullus's influence on certain ancient and modern poets will be discussed. 3 s.h. (w or E) DR. ROSE

57. **Sight Reading in Classical Latin.**—One period of an hour per week devoted to practice in the reading of Latin of the classical period; designed to train students to read with facility. (See course 4.) *No outside preparation is required.* 1 s.h. (w or E) THE STAFF

58. **Sight Reading in Mediaeval Latin.**—One period an hour per week devoted to reading interesting Mediaeval prose and poetry. Prerequisite: at least one of the following courses: Latin 3, 4, 41, 42, and 57, or an equivalent. *No outside preparation is required.* 1 s.h. (E or w) DR. ROSE

59. **Roman Law.**  
[Not offered in 1940-41]

101. **Tacitus and Suetonius.**—Interesting and historically important selections from the *Annals* of Tacitus with limited parallel readings of Suetonius's *Lives of the Twelve Caesars* are read, and due consideration of the Roman conception of history and the historian's task is given. 3 s.h. PROFESSOR ROSBOROUGH

102. **Juvenal and Persius.**—Juvenal's literary satire will form the basis of the course, and several satires of Persius will be read for comparison. 3 s.h. PROFESSOR ROSBOROUGH

103. **The Roman Elegiac Poets.**  
[Not offered in 1940-41]

104. **Horace: Satires and Epistles.**  
[Not offered in 1940-41]

105. **Martial's Epigrams.**  
[Not offered in 1940-41]

106. **Letters of Pliny the Younger.**  
[Not offered in 1940-41]

**107. Livy: Ab Urbe Condita.**

[Not offered in 1940-41]

**108. Cicero's Letters.**—A considerable amount of the interesting and historically important correspondence of Cicero will be read and interpreted. 3 s.h. (E) ASSISTANT PROFESSOR GATES

**109. Materials and Methods.**—A study of Latin in the secondary school curriculum for prospective teachers of Latin in the high schools. Prerequisite: eighteen approved semester-hours of college Latin, including courses 41-42, 53-54, or equivalent courses. *Required of students who plan to teach Latin in state high schools.* 3 s.h. ASSISTANT PROFESSOR GATES

**111-112. Roman Literature in English Translation.**

[Not offered in 1940-41]

**113-114. Roman Civilization.**

[Not offered in 1940-41]

**115-116. Art and Architecture of Ancient Rome.**—*See course 216.*

[Not offered in 1940-41]

**131-132. History of Rome.**—A survey of the history of Rome from its beginnings through the Monarchy, Republic and Principate to the death of Justinian; Rome's expansion; development of the Roman constitution and public administration; a study of important features of social, legal, political, and economic problems of perennial life and interest. (*This course carries no language credit. No knowledge of Latin is required for admission.*) 6 s.h. (w) PROFESSOR ROGERS

**203-204. Roman Epic.**

[Not offered in 1940-41]

**205-206. Roman Drama.**—Select Comedies of Plautus and Terence; select Tragedies of Seneca. Rapid reading course. 6 s.h. (E)

ASSISTANT PROFESSOR GATES

**207-208. Roman Philosophy.**

[Not offered in 1940-41]

**209-210. Vulgar Latin: Introduction to Romance Philology.**

[Not offered in 1940-41]

**211-212. Roman Oratory.**—Starting with the **Brutus** of Cicero, a comprehensive study of Roman eloquence will be made. 6 s.h. (E) PROFESSOR ROGERS

**215. Roman Art and Archaeology.**—*See course 216.*

[Not offered in 1940-41]

**216. Topography and Monuments of Ancient Rome.**—A study of the site of Rome, its development and expansion; city plan; public buildings, dwellings, theatres, fora, shops, sewers, aqueducts, etc.; materials and methods of construction. *May be offered the first semester in 1940-41.* 3 s.h. (w)

PROFESSOR ROSBOROUGH

*For other courses numbered in the 200 group, see the Bulletin of the Graduate School.*

**DEPARTMENTAL MAJOR**

*Prerequisites:* Latin 41-42, 65-66, or acceptable equivalents.

*Major Requirements:* Latin 53-54, 101-102, six semester-hours in courses numbered from 103 to 108, and six semester-hours in courses numbered from 200 to 299 to be taken in the Senior year.

In addition, all majors are expected to pursue course 131-132, History of Rome.

## LAW COURSES FOR ACADEMIC STUDENTS

PROFESSORS BOLICH, LATTY, MAGGS, POTEAT, SHEPHERD; ASSISTANT  
PROFESSOR SANDERS; MR. ROALFE

The first-year program of the Law School is as follows:

L.201. Introduction to Procedure.—2 s.h.	PROFESSOR POTEAT
L.203-204. Contracts.—7 s.h.	PROFESSOR SHEPHERD
L.205-206. Criminal Law and Its Administration.—4 s.h.	ASSISTANT PROFESSOR SANDERS
L.207-208. Chattel Transactions.—4 s.h.	PROFESSOR LATTY
L.210. Possessory Estates.—2 s.h.	PROFESSOR BOLICH
L.211-212. Torts.—5 s.h.	PROFESSOR MAGGS
L.213. Legal Bibliography.—1 s.h.	MR. ROALFE
L.214. Agency.—2 s.h.	PROFESSOR LATTY

## MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN; PROFESSOR ELLIOTT, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HICKSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS RANKIN AND THOMAS; ASSOCIATE PROFESSOR CARLITZ; ASSISTANT PROFESSORS ALDRIDGE, GREENWOOD, MILES, PATTERSON, AND ROBERTS; DRs. BOAS AND DRESSSEL; MISS LAYNE (PART-TIME); AND ASSISTANTS

Mathematics 3-4 or the equivalent is required of all students in the Business Administration Group. Mathematics 7 and 8, or the equivalent, is required of all students in the Pre-Medical and Pre-Forestry Groups, and the General Group leading to the Bachelor of Science degree. Placement tests in algebra are administered to all entering students planning to take courses in mathematics. Students in the Business Administration Group found deficient in algebra must complete Mathematics 1 before taking Mathematics 3-4 or its equivalent. Students in the Pre-Medical and Pre-Forestry Groups and the General Group leading to the Bachelor of Science degree who are found deficient in algebra must substitute Mathematics 1 and 2 for Mathematics 7. Course combinations which may be regarded as equivalent to Mathematics 3-4 are combinations which include Mathematics 51, 59, or 76. Course combinations which may be regarded as equivalent to Mathematics 7 and 8 are Mathematics 1, 2, and 8, and combinations which include Mathematics 51 or 59.

Credit is allowed for half of a double course.

1. Introduction to College Algebra.—3 s.h. (W & E) STAFF
2. Plane Trigonometry.—The normal course for students in the General, Pre-Medical, and Pre-Forestry Groups who have completed Mathematics 1. 3 s.h. (W & E) STAFF
- 3-4. Mathematical Analysis for Students of Business.—Topics in algebra, trigonometry and calculus; applications to problems in business, investment, finance, insurance, budgeting, and statistics. The normal first course for students in the Business Administration Group. 6 s.h. (W): Mathematics 3 each semester; Mathematics 4 each semester. (E): Mathematics 3 first semester; Mathematics 4 second semester. STAFF
7. Algebra and Trigonometry.—Essentials of college algebra and plane trigonometry. The normal first course for students in the General, Pre-Medical, and Pre-Forestry Groups. 3 s.h. (W): each semester. (E): first semester. STAFF



**8. Introduction to Analytic Geometry and Calculus.**—The normal course for students who have completed Mathematics 1 and 2 or Mathematics 7 and who desire only a brief introduction to analytic geometry and calculus. Students who prefer the more detailed study of these subjects offered in Mathematics 50 and 51-52 or 59-60 should take Mathematics 50 rather than Mathematics 8. 3 s.h. (w) : each semester. (E) : second semester. STAFF

**9-10. First-Year Engineering Mathematics.**—College algebra, plane trigonometry, plane analytic geometry, introduction to solid analytic geometry. Designed primarily for students in the Engineering Groups. 10 s.h. (E) STAFF

**50. Analytic Geometry.**—Rectangular and polar co-ordinates; curve tracing; locus problems; straight line; the parabola, ellipse and hyperbola; introduction to solid analytic geometry. This course normally must be preceded by Mathematics 2, 4, or 7. It may, however, be taken as a first course by a student whose preparation is regarded adequate by the Department. 3 s.h. (w) : each semester. (E) : second semester.

(w) : DR. DRESSEL (*first semester*); PROFESSOR GERGEN AND ASSISTANT PROFESSOR HICKSON (*second semester*); (E) : PROFESSOR ELLIOTT

**51-52. Differential and Integral Calculus.**—First half (Differential Calculus) : differentiation of elementary functions; curve tracing; maxima and minima problems; differentials; curvature; motion problems; infinite series. Second half (Integral Calculus) : indefinite integrals; the integral as a limit of a sum; applications to areas, volumes, centroids, etc.; partial differentiation; multiple integrals. Prerequisite: analytic geometry. 6 s.h. (w) : Mathematics 51 each semester; Mathematics 52 each semester.

PROFESSOR ELLIOTT (51 *first semester*, 52 *second semester*); ASSOCIATE PROFESSOR CARLITZ (52 *first semester*); DR. DRESSEL (51 *second semester*)

**59-60. Second-Year Engineering Mathematics.**—A correlated development of differential and integral calculus. Designed primarily for students in the Engineering Groups. Prerequisite: analytic geometry. 8 s.h. (E)

PROFESSOR RANKIN; ASSISTANT PROFESSORS PATTERSON AND ROBERTS

**71. Mathematics of Investment.**—Simple and compound interest, annuities certain, amortization, sinking funds, depreciation, evaluation of bonds, life insurance. Designed primarily for students in the Business Administration Group. Prerequisite: 6 semester-hours of college mathematics. 3 s.h. (w)

ASSISTANT PROFESSOR HICKSON

**74. Statistics.**—Averages; measures of dispersion, skewness and correlation; probable error; curve fitting; graduation of data to type curves; index numbers. Applications to problems in business and other fields. Prerequisite: 6 semester-hours of college mathematics. Offered in alternate years. 3 s.h. (w)

ASSISTANT PROFESSOR HICKSON

**76. Mathematical Theory of Economics.**—A study from a mathematical point of view of cost and demand functions, monopoly, competition, co-operation, exchange, utility, and production; supplementary review and development of the essential mathematical ideas. Offered in alternate years. Prerequisite: Mathematics 4 or Mathematics 8 or the equivalent. 3 s.h. (w)

[Not offered in 1940-41] ASSISTANT PROFESSOR HICKSON

**131. Elementary Differential Equations.**—Solution of elementary types; formation and integration of equations arising in applications. Prerequisite: integral calculus. 3 s.h. (w)

ASSISTANT PROFESSOR HICKSON



139-140. **Second Course in Calculus.**—Multiple integrals, partial differentiation, Taylor's theorem, envelopes, line integrals, Green's theorem, improper integrals, complex numbers. Prerequisite: integral calculus. 6 s.h. (w)

PROFESSOR ELLIOTT

160. **Elementary Solid Analytic Geometry.**—Determinants, planes, straight lines, quadric surfaces. Prerequisite: differential calculus. 3 s.h. (w)

ASSOCIATE PROFESSOR CARLITZ

161-162. **Reading Course for Juniors.**—Open only to Juniors reading for Honors in Mathematics. Material, credit, and hours arranged in consultation with tutor. See the Departmental Honors Program.

163-164. **Reading Course for Seniors.**—Open only to Seniors reading for Honors in Mathematics. Material, credit, and hours arranged in consultation with tutor. See the Departmental Honors Program.

FOR SENIORS AND GRADUATES

201. **History of Mathematics.**—Evolution of the number system, arithmetic, geometry, algebra, trigonometry, analytic geometry, calculus, and modern geometry. Brief sketches of mathematicians. Offered in alternate years. 3 s.h. (w)

PROFESSOR RANKIN

[Not offered in 1940-41]

204. **Teaching of Mathematics.**—Fundamental processes, methods of study, mathematical literature, content of courses, applications, correlation of different branches. Offered in alternate years. Must be preceded or accompanied by Mathematics 52 or 60. 3 s.h. (w)

PROFESSOR RANKIN

[Not offered in 1940-41]

225. **Theory of Equations.**—Permutations, determinants, matrices, linear systems, polynomials and their roots, constructibility, resultants, discriminants, simultaneous equations. Prerequisite: differential calculus. 3 s.h. (w)

[Not offered in 1940-41]

227-228. **Theory of Numbers.**—Congruences, arithmetic functions, compound moduli, quadratic reciprocity, Gauss sums, quadratic forms, sums of squares. Prerequisite: integral calculus. 6 s.h. (w)

[Not offered in 1940-41]

ASSOCIATE PROFESSOR CARLITZ

229-230. **Algebraic Numbers.**—Ideals, unique factorization, divisors of the discriminant, determination of the class number. Prerequisite: Mathematics 225. 6 s.h. (w)

ASSOCIATE PROFESSOR CARLITZ

235-236. **Modern Algebra.**—Groups, fields, rings, matrices, quadratic and bilinear forms, general Galois theory, hypercomplex systems. Prerequisite: differential calculus. 6 s.h. (w)

PROFESSOR THOMAS

250. **Modern Geometry.**—Properties of the triangle; transversals; harmonic properties of figures; poles; polars; inversion. Prerequisite: differential calculus. 3 s.h. (E)

[Not offered in 1940-41]

252. **Non-Euclidean Geometry.**—Geometry of Bolyai and Lobachevsky. Prerequisite: integral calculus. 3 s.h. (w)

[Not offered in 1940-41]

255-256. **Projective Geometry.**—Postulational, synthetic treatment centering around Desargues' theorem and the principle of projectivity. Conics, coordinates, order, continuity, metric properties. Prerequisite: differential calculus. 6 s.h. (w)

PROFESSOR THOMAS

271-272. **Introductory Topology.**—Topological properties of Euclidean spaces; set-theoretic and combinatorial methods. Prerequisite: integral calculus. 6 s.h. ASSISTANT PROFESSOR ROBERTS

[Not offered in 1940-41]

275. **Probability.**—Combinatory analysis, mean values, Bernoulli's theorem, probability integral. Applications to statistics. Prerequisite: integral calculus. 3 s.h. (w)

[Not offered in 1940-41]

281. **Elementary Potential Theory.**—Newtonian potentials, vector fields, Dirichlet and Neumann problems. Prerequisite: integral calculus. 3 s.h. (w) DR. DRESSEL

282. **Differential Equations of Mathematical Physics.**—Hamilton-Jacobi equation, heat equation, wave equation, telegraphic equation, Schrödinger's equation. Prerequisite: integral calculus. 3 s.h. (w) DR. DRESSEL

283. **Fourier Series and Spherical Harmonics.**—Fourier series and integrals, Legendre polynomials, spherical harmonics, Bessel functions, Applications to mathematical physics. Prerequisite: integral calculus. 3 s.h. (w)

[Not offered in 1940-41] ASSISTANT PROFESSOR MILES

284. **Vector Analysis.**—Vectors in three-dimensional Euclidean space with applications to physics; introduction to tensor analysis. Prerequisite: integral calculus. 3 s.h. (w)

[Not offered in 1940-41]

287. **Mathematical Logic.**—Boole-Schroeder algebra of logic, system of Principia Mathematica, strict and material implication. 3 s.h. (w)

[Not offered in 1940-41]

288. **Foundations of Mathematics.**—Postulates for groups, fields, rings, Boolean algebras. 3 s.h. (w)

[Not offered in 1940-41]

291-292. **Theory of Functions.**—Fundamental concepts in the theory of functions of real and complex variables. Limits, continuous functions, Riemann integrals, implicit functions, power series, double series, linear transformations, elementary functions, Cauchy's theorem and its applications, entire functions, residues, Riemann surfaces, conformal mapping. Prerequisite: Mathematics 140. 6 s.h. (w)

PROFESSOR GERGEN

**DEPARTMENTAL MAJOR**

*Prerequisites:* Six semester-hours of Freshman mathematics.

*Major Requirements:* Mathematics 51-52 or 59-60 and twelve semester-hours in courses numbered above 100. These twelve hours must be approved by the Department through the Director of Undergraduate Studies.

**DEPARTMENTAL HONORS PROGRAM**

*Prerequisites:* A student who meets the general requirement as to candidacy of the Honors Group, who has completed Mathematics 51 or 59 and who has earned an average grade of "B" or better in his courses in mathematics, may become a candidate for Honors.

*Honors Work:*

(a) *Work in Mathematical Courses:* To graduate with Honors a candidate must complete, during his Honors program, a minimum of eighteen semester-hours of course work in regular open courses numbered above 100. These courses must be completed with an average grade of "B" or better.

(b) *Tutorial Work:* During the Honors program a candidate reads on special topics in mathematics under the personal supervision of a tutor. A

candidate must earn a minimum of six semester-hours of credit in this tutorial work. He cannot earn more than nine semester-hours on this tutorial work, nor more than thirty-six semester-hours for his course work in mathematics and his tutorial work combined.

(c) *Work in Courses in Related Fields:* A candidate must earn a sufficient number of semester-hours of credit in courses in related fields to complete with the credit obtained in (a) and (b) the sixty semester-hours required in the Honors Group.

A candidate's program must be approved by the Departmental Honors Adviser.

*General Honors Examination:* At the end of the Senior year each candidate reading for Honors in mathematics must pass a comprehensive examination on his Honors program. This examination may be written, oral, or both. Faculty members from other departments and other institutions may be invited to participate in this examination.

## MUSIC

DEAN BALDWIN, ACTING CHAIRMAN; MR. BRUINSMA, DIRECTOR OF UNDERGRADUATE STUDIES; MR. BROADHEAD, SUPERVISOR OF FRESHMAN INSTRUCTION; MISS WILKINSON

Duke University does not give credit for Applied Music study at the present time. However, instruction in piano, organ, violin, viola, and voice is provided by members of the Music Department Faculty. Membership in the Chapel Choir, the Glee Clubs, Band, and Symphony Orchestra is open to those who can qualify.

## THEORY

**11-12. Fundamentals of Music.**—The elements of harmony, rhythm, and form. The visual and aural recognition of scales, intervals, triads, and seventh chords and their functions in relation to the system of tonality. Harmonization of melodies; development of rhythmic discrimination. A general background for advanced courses in the department. Students will meet with the instructor in small groups an additional hour each week. **6 s.h. (E)**

Important: Section 1 will be limited to Education students who need this course to qualify for the State Teachers Certificate. Sections 2, 3, and 4 will be open to all other students. MR. BRUINSMA AND MISS WILKINSON

**61-62. Counterpoint, Canon and Fugue.**—Strict counterpoint in the "five species"—melodious part-writing with a restricted harmonic basis. Composition in the polyphonic forms, notably canon and fugue in the second semester. Prerequisite: Music 11-12. **6 s.h. (E)** MR. BRUINSMA

**71-72. Analysis of Form.**—The structure of homophonic and polyphonic compositions analyzed in detail. The functions of phrases, sentences, and periods in the construction of various harmonic forms. The combination of these forms into cyclic works such as sonatas and symphonies. Forms of program music. Prerequisite: Music 11-12. **6 s.h. (E)** MR. BRUINSMA  
[Not offered in 1940-41]

**111-112. Harmony.**—The principles of composition from the standpoint of the composer. Proficiency in harmonization of melodies, modulation, ornaments, and original work in the smaller forms is required. Continuation of aural training. Prerequisite: Music 11-12. **6 s.h. (E)** MR. BRUINSMA

**121-122. Orchestration and Conducting.**—The history, technical restrictions, and orchestral use of the instruments of the modern orchestra. Scores will be studied and arrangements made by the class. One period a week will be devoted to the technique of the baton, vocal and instrumental score reading, and conducting with records and with campus and civic musical groups. Prerequisite: Music 11-12. **6 s.h. (E)** MR. BRUINSMA

## HISTORY AND CRITICISM

**81-82. Introduction to Musical Literature.**—An historical survey of the evolution of music from ancient times to the present. An elementary study of the basic principles of form and of musical aesthetics to serve as a basis of criticism. 6 s.h. (E)  
MR. BROADHEAD

**131. Symphonic Literature.**—The historical background and development of music for the orchestra. A critical and analytical study of orchestral suites, overtures, and symphonies. Scores and records will be used. Prerequisite: Music 81-82 or consent of instructor. 3 s.h. (E) MISS WILKINSON

**132. Symphonic Literature.**—A continuation of Music 131 with emphasis upon the Symphonic poem. Prerequisite: Music 131. 3 s.h. (E)  
MISS WILKINSON

**142. Organ Literature.**—Historical development of music for the organ from the sixteenth century to the present. Styles, forms, peculiarities of composition due to the nature of the instrument. A brief introduction on the construction of early and modern organs. Prerequisite: Music 81-82. 3 s.h. (w)  
[Not offered in 1940-41] MR. BROADHEAD

**197. Bach.**—A detailed study of Bach, his times and his music. Prerequisite: Music 81-82. 3 s.h. (E) MR. BROADHEAD

**198. Beethoven.**—A detailed study of Beethoven, his times and his music. Prerequisite: Music 81-82. 3 s.h. (E) MR. BROADHEAD

## MUSIC EDUCATION

**101. Vocal Methods.**—A study of materials and methods of teaching vocal music in public schools. Treatment of the child voice, rote singing, chord singing, voice testing, balance, organization, and supervision. Observation of work done in the public schools. High School Glee Club literature. Prerequisite: Music 11-12. 3 s.h.  
MR. BRUINSMA

**102. Instrumental Methods.**—A study of materials and methods of teaching orchestral instruments, organization, and supervision. Observation of work in the public schools. Literature for band and orchestra. Prerequisite: Music 11-12. 3 s.h.  
MR. BRUINSMA

## PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN; ASSOCIATE PROFESSOR MORGAN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. MCLARTY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS GILBERT AND SMITH; ACTING PROFESSOR DUBS;  
AND ASSISTANT PROFESSOR LEONARD

*For courses marked \* there is a prerequisite of three hours, and those marked † six hours of philosophy; admission otherwise by permission of the instructor. Sophomores may in general take courses prescribed for Juniors by permission of the instructor.*

**48. Introduction to Logic and Scientific Method.**—The general principles of logical thinking; the nature of the logical processes involved in the attainment of knowledge in mathematics, the sciences, history, and philosophy. The character of systematic exposition. 3 s.h. (w)  
ASSISTANT PROFESSOR LEONARD

**98. Introduction to Ethics.**—An elementary consideration of some of the important moral problems in the light of philosophical tradition and the science of values. Sophomores and approved Freshmen. First semester (w). Second semester (E). 3 s.h.  
PROFESSOR GILBERT AND ASSOCIATE PROFESSOR MORGAN

101. **Introduction to Philosophy.**—This course is intended to acquaint the student with the nature of philosophical problems. First semester (w) and (E). Second semester (w). 3 s.h.

(w) PROFESSOR WIDGERY (*first semester*)  
 DR. McLARTY (*second semester*)  
 (E) PROFESSOR GILBERT

103. **Logic.**—Fundamental principles of valid reasoning. (First semester.) (w) 3 s.h. ASSISTANT PROFESSOR LEONARD

104. **Scientific Methodology.**—A survey of the methods used in various natural and social sciences. (Second semester.) (w) 3 s.h. ASSISTANT PROFESSOR LEONARD

105. **Introduction to the History of Philosophy: Ancient and Medieval.**—A study of the great philosophical thinkers with special reference to the problems of a philosophy of human life. 3 s.h. (w) DR. McLARTY

106. **Introduction to the History of Philosophy: Modern.**—A study of the great philosophical thinkers with special reference to the problems of a philosophy of human life. 3 s.h. (w) PROFESSOR WIDGERY AND DR. McLARTY

108. **Philosophical Ideas in Ancient Greek and Roman Culture.**—3 s.h. (w) DR. McLARTY

109-110. **Plato.**—*Apology, Crito*, and selections, together with collateral reading in the *Memorabilia* of Xenophon and in the *Clouds* of Aristophanes. **Euripides.**—One play, to serve as an introduction to Greek tragedy. 6 s.h. (w) Greek 107-108. ASSISTANT PROFESSOR WAY

112. **The Development of American Philosophy.**—3 s.h. (w) ASSOCIATE PROFESSOR MORGAN

114. **Seventeenth-Century Philosophy, with Special Reference to Spinoza.\***—3 s.h. (E) PROFESSOR GILBERT

119. **Fundamentals of Christian Morality: An Introduction to Christian Ethics.**—3 s.h. (w) DR. McLARTY

121. **The Philosophy of Plato.**—Lectures, readings and reports. Reference will be made to some influences of Platonic modes of thought in English literature. 3 s.h. (w) DR. McLARTY

#### FOR SENIORS AND GRADUATES

201-202. **The Philosophy of Art.**—Study of the various phases of the aesthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on aesthetics. 6 s.h. (E) PROFESSOR GILBERT

203. **The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. 3 s.h. (w)\* ASSOCIATE PROFESSOR MORGAN

204. **Christian Ethics.**—A historical and systematic study of Christian conceptions of the moral life and its problems. 3 s.h. (w) PROFESSOR SMITH

205. **The Philosophy of History.**—An inquiry into the logic and methodology of the knowledge of history, and into the metaphysical implications of history. 3 s.h. (w) PROFESSOR WIDGERY

206. **Modern Political Theory.**—Political theories of the seventeenth, eighteenth, and nineteenth centuries, with a study of their influence upon modern political institutions. 3 s.h. (w) Political Science 224. PROFESSOR WILSON



207. **Political Thought to the Seventeenth Century.**—A survey of political thought from the time of Plato to the close of the sixteenth century, with emphasis upon concepts of continuing importance. 3 s.h. (w) Political Science 223.  
PROFESSOR WILSON

208. **Political Philosophy.**—A critical investigation of the bases of political authority and of the ideals of political organization, with reference to prevalent political systems. 3 s.h. (w) ASSOCIATE PROFESSOR MORGAN

209-210. **The Philosophy of Religion.**—A critical consideration of the data of empirical religion and the constructive development of a modern philosophy of religion. 6 s.h. (w) PROFESSOR WIDGERY  
[Not offered in 1940-41]

211. **Philosophy of Civilization.**—The meaning and standards of civilization; its growth, decay, and survival. 3 s.h. (w) ASSOCIATE PROFESSOR MORGAN

212. **Psychology of Belief.**—2 s.h. (w) Psychology 228.  
ASSOCIATE PROFESSOR LUNDHOLM

213-214. **History of Aesthetics.**—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. 6 s.h. (E) PROFESSOR GILBERT  
[Not offered in 1940-41]

215-216. **Plato.**—*Symposium, Protagoras*, and parts of the *Republic*. 6 s.h. (w) Greek 209-210.  
ASSISTANT PROFESSOR WAY

217. **The Philosophy of Aristotle.\***—Prerequisite: course 105.  
DR. McLARTY

219-220. **The Age of the Renaissance.**—A survey of social and cultural changes in Western Europe from Dante to Erasmus. 6 s.h. (w) History 221-222.  
ASSISTANT PROFESSOR NELSON

224. **Contemporary Philosophy.**—A study of the leading philosophical movements in Europe and America in the last fifty years. 3 s.h. (w) PROFESSOR WIDGERY  
[Not offered in 1940-41]

226. **The History of Ethics.**—Theories of morality from Socrates to the present time. 3 s.h. (w)\* ASSOCIATE PROFESSOR MORGAN

227. **Mathematical Logic.**—3 s.h. (w) Mathematics 287.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ

228. **Fundamental Concepts of Mathematics.**—3 s.h. (w) Mathematics 288.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ

229-230. **Contemporary Physics.**—A course which covers in a descriptive manner the fundamental concepts and experimental basis of modern theories of the structure of matter. 6 s.h. (w) Physics 213-214.  
ASSISTANT PROFESSORS NIELSEN AND CONSTANT AND DR. MOUZON

231-232. **Philosophy of Science.**—A historical and critical survey of the relations of natural science to general philosophy. 6 s.h. (w) ASSISTANT PROFESSOR LEONARD

234. **Introduction to the Philosophy of Education.**—3 s.h. (w) Education 200.  
PROFESSOR HOLTON

236. **Oriental Philosophy.**—I. Chinese Philosophy. 3 s.h. (w)  
[Not offered in 1940-41] ACTING PROFESSOR DUBS
238. **Oriental Philosophy.**—II. Indian Philosophy. 3 s.h. (w)  
PROFESSOR WIDGERY
241. **Logic.**—The characteristic structure of a logical system. Forms of propositions and of arguments. Logical relations of propositions. Levels of analysis. 3 s.h. (w)  
[Not offered in 1940-41] ASSISTANT PROFESSOR LEONARD
242. **Scientific Methodology.**—A survey of the methods used in the different branches of the natural and social sciences in seeking and testing knowledge. 3 s.h. (w)  
[Not offered in 1940-41] ASSISTANT PROFESSOR LEONARD
244. **Nietzsche and the Nineteenth Century.**—Studies in the major trends of intellectual life of the period, focused around the work of Nietzsche. 3 s.h. (w)  
ASSOCIATE PROFESSOR MORGAN
- 245-246. **Philosophical Foundations of Religious Belief.**—6 s.h.  
ACTING PROFESSOR DUBS
248. **Philosophy of Values.**—*First semester.* 3 s.h. (w)  
ACTING PROFESSOR DUBS

#### DEPARTMENTAL MAJOR

The student is required to take courses amounting to at least eighteen credit hours in the Department. Of these six must be Philosophy 105-106, Introduction to the History of Philosophy; and six must be from courses in the 200 series. The student is advised to consult with an instructor in the Department as to the courses most suitable to fit in his general plan of study.

#### PHYSICS

PROFESSOR NIELSEN, CHAIRMAN; PROFESSOR HATLEY, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR CARPENTER, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS EDWARDS, NORDHEIM, SPONER; ASSISTANT PROFESSORS CONSTANT AND MOUZON; DRs. BONNER AND HEBB; AND ASSISTANTS

The courses in physics are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

An elementary knowledge of the calculus and credit for 12 semester-hours in physics is required in all courses numbered 200 and above.

1-2. **Introductory Physics.**—This course traces historically and experimentally the development of great principles. It stresses neither mathematical processes nor exact measurements. This course is open to Freshmen, Sophomores, and Juniors and meets the general science requirement. Three-hour recitation and two-hour laboratory. 8 s.h. (w & e)

ASSISTANT PROFESSOR CARPENTER; PROFESSORS EDWARDS AND HATLEY; DR. HEBB; AND ASSISTANTS

17-18. **Engineering Physics.**—A course covering the field of general physics with emphasis on fundamental principles. Open only to engineering students. 6 s.h. (e) ASSISTANT PROFESSOR MOUZON; DRs. BONNER AND HEBB

**51-52. General Physics.**—This course is designed for Sophomores and Juniors. It meets in a thorough way the requirements for entrance into the study of medicine and is well suited for the general science student. A limited number of Freshmen who present physics for entrance and who are taking the required mathematics concurrently may be admitted by permission of the instructor. Three lectures and two laboratory periods each week. Prerequisite: Mathematics 7-8 or equivalent. 10 s.h. (w)

PROFESSOR HATLEY; ASSISTANT PROFESSOR CARPENTER; AND DR. BONNER

**57-58. Engineering Physics.**—This course is a continuation of Physics 17-18 open to engineering students upon satisfactory completion of 17-18. Two lectures (E) and one three-hour laboratory (w) each week. 6 s.h.

ASSISTANT PROFESSOR MOUZON; DRs. BONNER AND HEBB

**59-60. Elementary Atomic Physics.**—A lecture and demonstration course dealing in a descriptive manner with modern developments in physics. During the second semester particular emphasis will be placed on the specific applications of the results and methods of modern physics to the fields of medicine and industry. 6 s.h. (w)

PROFESSOR NIELSEN

**61. Mechanics.**—This course covers in a thorough manner the more advanced phases of mechanics which do not require the use of the calculus. Special emphasis is placed on the solutions of problems in mechanics. Prerequisite: a year course in college physics. 3 s.h. (w)

ASSISTANT PROFESSOR CARPENTER

**62. Heat.**—A study of thermometry, specific heats, thermal expansion, transfer of heat, change in state, saturated vapor, hygrometry, the laws of thermodynamics and pyrometry. Two lectures and one two-hour laboratory per week. Prerequisite: a year course in college physics. 3 s.h. (w)

ASSISTANT PROFESSOR CARPENTER

**65-66. Intermediate Physics.**—Lecture demonstrations and recitations. A course, to follow Physics 1-2 or its equivalent, covering selected topics and including a more advanced treatment of electricity and light during the first term and in the second term an extended treatment of conduction of electricity through gases, electron theory of matter, x-rays, radioactivity, thermionics, electric waves and photo-electricity. Prerequisite: Physics 1-2 or its equivalent. 6 s.h. (w)

PROFESSOR EDWARDS

**103. Electricity and Magnetism.**—An intermediate course covering electrostatics, magnetostatics, current theory, electromagnetism and electron theory, with numerous problems designed to give a thorough familiarity with the subject. Prerequisite: a year course in college physics. 3 s.h. (w)

ASSISTANT PROFESSOR CONSTANT

**104. Electrical Measurements.**—Exact measurements of resistance, current, voltage, inductance and capacity. A fundamental course in electrical engineering or course 103 is a prerequisite. Two lectures and one three-hour laboratory period per week. 3 s.h. (w)

PROFESSOR NIELSEN AND ASSISTANT PROFESSOR CONSTANT

**106. Photography.**—A quantitative study of the more important photographic processes and the application of photography to the sciences and arts. Two lectures and one two-hour laboratory period. Prerequisite: a year course in college physics and the consent of the instructor. 3 s.h. (w)

DR. BONNER

**203-204. Analytical Mechanics.**—Geometry of motion; kinematics of a particle and of a rigid body; statics; relative motion; general principles of mechanics. 6 s.h. (w)

DR. HEBB

**205-206. Physical Optics.**—This course deals with interference diffraction, polarization, absorption, dispersion; in general it will cover those topics treated in a text such as Wood's *Physical Optics*. Two lectures and one three-hour laboratory period per week. **6 s.h.** (w) PROFESSOR HATLEY

**211. History of Physics.**—A rapid review of the fundamental laws of physics developed from the historical point of view. **2 s.h.** (w) PROFESSOR EDWARDS

**213-214. Contemporary Physics.**—A course which covers in a descriptive manner the fundamental concepts and experimental basis of modern theories of the structure of matter. **6 s.h.** (w) ASSISTANT PROFESSOR CONSTANT

**215-216. Atomic Physics Laboratory.**—Some of the more important experiments which form the basis of modern atomic theory. Special emphasis is placed on experimental technique, valuable in original physical investigations. **2-4 s.h.** (w) PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

**217-218. Advanced General Physics Laboratory.**—Exact measurements involving the fields of mechanics, electrical measurements, heat, and pyrometry. **2 s.h.** (w) PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

**219. Vacuum Tubes and Their Application.**—Theory and application of vacuum tube circuits with special emphasis on their use in scientific research. Two hours of lecture and one three-hour laboratory per week. **3 s.h.** (w) ASSISTANT PROFESSOR MOUZON

**221-222. Introduction to Theoretical Physics.**—Lectures and problems on the fundamental principles and mathematical theory of the general field of physics, constituting a thorough foundation for subsequent specialization and more intensive study. **6 s.h.** (w) ASSISTANT PROFESSOR CONSTANT

#### DEPARTMENTAL MAJOR

A. For the degree of A.B.:

*Prerequisites:* Physics 1-2 or equivalent and Mathematics 1-2 or 7-8 or equivalent.

*Major Requirements:* 18 to 24 hours of which six to twelve hours are in courses approved by the Department below the 200 level and six to twelve hours in approved Senior-Graduate courses.

B. For the degree of B.S.:

*Prerequisites:* Physics 1-2 or equivalent, Chemistry 1-2 and Mathematics 1-2 or 7-8 or equivalent. (Students who have a considerable number of hours in a closely allied field may with the approval of the Department count 51-52 or 57-58 as a major requirement.)

*Major Requirements:* Twenty-four hours of which six to twelve hours are in courses approved by the department below the 200 level and twelve to eighteen hours in approved Senior-Graduate courses.

#### DEPARTMENTAL HONORS PROGRAM

*Prerequisites:* Physics 1-2, 51-52, or 57-58 and 6 s.h. additional work in physics above the Freshman level; Mathematics 6 s.h. and Chemistry 1-2.

*Honors Program:* Physics 103-104, 215-216 and 221-222; Mathematics 99-100 and 131; electives subject to the approval of the Departmental Honors Committee, 25 s.h., or enough to satisfy the requirements for graduation, of which at least 6 s.h. must be either a course in Geology or an advanced course in Chemistry, Botany, Zoology, or Mathematics.

In addition, the student will arrange with his Adviser for the performance of a limited number of elementary physical investigations. This will consist of both readings and experimental work which in general will constitute a survey of the classical and modern aspects of physics for which 10 s.h. credit will be allowed.

At the end of both the Junior and Senior years, the student will be given both an oral and a written examination in the field of physics.

### POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN; PROFESSOR RANKIN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. GIBSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR VON BECKERATH; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSOR LINEBARGER; DR. SIMPSON

**21. Principles of Government.**—An introductory study of the principles and problems of government. Open to Freshmen only as an elective. 3 s.h. (w & e) DR. GIBSON

**22. Governmental Problems in International Relations.**—An introductory study of current problems of international co-operation in relation to national policies of major powers. Open to Freshmen only as an elective. 3 s.h. (w & e) DR. GIBSON AND DR. SIMPSON

**61-62. American Government and Politics.**—A study of the American political system, including the organization and functioning of national, state, and local government in the United States. 6 s.h. (w & e)

PROFESSORS RANKIN AND WILSON; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSOR LINEBARGER; DR. GIBSON, DR. SIMPSON

Course 61-62 is ordinarily taken before any advanced course in political science. A student who has not had course 61-62 or equivalent work may take an advanced course in the Department with the approval of the instructor giving the advanced course.

**111. Contemporary Problems in Far Eastern Politics.**—An introductory survey of international politics in Eastern Asia and the Western Pacific. 3 s.h. (w) ASSISTANT PROFESSOR LINEBARGER

**125. American Political Parties and Practical Politics.**—A study of the historical development, organization, and methods of political parties in the United States. 3 s.h. (w) ASSOCIATE PROFESSOR COLE

**136. Major European Governments.**—A study of the organization and functioning of the governments of Great Britain, France, Germany, Italy, and Russia. 3 s.h. (w) ASSOCIATE PROFESSOR COLE

**141. Public Regulation.**—An introduction to the administrative process, emphasizing the nature, types and techniques of public activity; and the methods, and problems of protecting the public interest. 3 s.h. (w) ASSOCIATE PROFESSOR SHIPMAN

**151-152. Spanish-American Political Institutions.**—A study of the organization and functioning of Spanish-American governments as illustrated in Argentina, Chile, Colombia and Uruguay. 6 s.h. (w) DR. GIBSON

**164. Government Control of Railroads.**—A study of government ownership, operation and regulation of railroads, with primary attention to the United States. 3 s.h. (w) ASSOCIATE PROFESSOR SHIPMAN

**172. Government and Agriculture.**—A comparative study of national agricultural policies in Great Britain, Germany, Italy, France, and the United States in the nineteenth and twentieth centuries. 3 s.h. (w)

[Not given in 1940-41]

PROFESSOR VON BECKERATH



**174. Politics and Economics.**—An analysis of the influence of politically dominant forces and ideologies upon economic policies in societies of principal Western countries since the seventeenth century. 3 s.h. (w)

PROFESSOR VON BECKERATH

**207. American Constitutional Law and Theory.**—A study of leading principles of American government, as developed through judicial interpretation of the Constitution. 3 s.h. (w)

PROFESSOR WILSON

**209. State and Local Government in the United States.**—A study of the historical development of state and local governments, their present organization, their relation to each other and to the federal government. 3 s.h. (w)

PROFESSOR RANKIN

**211. Political Institutions of the Far East.**—A study of the governmental systems of Japan, Korea, and China from the Chou Dynasty to the present. 3 s.h. (w)

ASSISTANT PROFESSOR LINEBARGER

**212. International Politics of the Far East.**—A study of changing power relationships in the Orient since the arrival of the Europeans. 3 s.h. (w)

ASSISTANT PROFESSOR LINEBARGER

**223. Political Thought to the Seventeenth Century.**—A survey of political thought from the time of Plato to the close of the sixteenth century. 3 s.h. (w)

PROFESSOR WILSON

[Not offered in 1940-41]

**224. Modern Political Theory.**—Political theories of the seventeenth and eighteenth centuries, and of the first half of the nineteenth, with a study of their influence upon modern political institutions. 3 s.h. (w)

[Not offered in 1940-41]

PROFESSOR WILSON

**225-226. Comparative Government.**—A comparative study of modern political institutions, with special reference to bureaucracy, federalism, fascism, dictatorship, constitutions, representation, parliamentarism, and separation of powers. 6 s.h. (w)

ASSOCIATE PROFESSOR COLE

**227-228. International Law and International Organization.**—Elements of international law, and a study of certain international organizations from the point of view of their significance for international law. 6 s.h. (w)

PROFESSOR WILSON

**229. Recent and Contemporary Political Theory.**—A study of the more significant contributions to political theory from 1850 to the present. 3 s.h. (w)

ASSOCIATE PROFESSOR COLE

**230. American Political Institutions.**—A study of the formation and development of institutions of the national government in the United States, with historical and analytical treatment. 3 s.h. (w)

PROFESSOR RANKIN

**241-242. The Administrative Process.**—The function and theory of organization, delegated legislation, administrative adjudication, the control of administration, and special problems in economic balancing and proprietary activities. 6 s.h. (w)

ASSOCIATE PROFESSOR SHIPMAN

**244. Administrative Law.**—The law of the administrative process, including the nature of regulatory authority, the status and liability of public officers, administrative tribunals and the judicial review of administrative action. 3 s.h. (w)

ASSOCIATE PROFESSOR SHIPMAN

[Not offered in 1940-41]

**246. Legislation.**—A study of the legislative process with attention to procedure, methods, techniques, delegation of discretion, and the use of controls. 3 s.h. (w)  
ASSOCIATE PROFESSOR SHIPMAN

**271. Socio-Politics and Capitalism.**—Labor and labor policies in Western Europe and the United States from the early nineteenth century to the World War, and socio-political developments in the post-war world. 3 s.h. (w)  
PROFESSOR VON BECKERATH

**291. Municipal Government.**—A study of general problems relating to the structural system and activities of municipalities in the United States. 3 s.h. (w)  
PROFESSOR RANKIN

**292. Municipal Administration.**—A study of principles and methods of municipal administration in the United States. 3 s.h. (w)  
[Not offered in 1940-41] PROFESSOR RANKIN

#### WORKING COLLECTION OF GOVERNMENT MATERIALS

It is a policy of the Department to gather and classify published and other materials of significance as illustrating actual processes of government. As a step toward the development of a laboratory of government, there has been made available in the University Library a working collection of government materials for student use both for general reference and in the handling of assigned individual projects.

#### DEPARTMENTAL MAJOR

*Prerequisite:* Political Science 61-62.

*Major Requirements:* Eighteen semester-hours of work in the Department above course 61-62, including at least nine semester-hours in Senior-Graduate courses. Courses 21 and 22 may not be counted toward a major.

#### HONORS WORK

Students who plan to take Honors in political science must have Junior standing and must have completed Political Science 61-62 and Economics 51-52 with satisfactory grades. Exceptions may be made in the case of students who are taking Economics 51-52 in their Junior year.

The Honors work will consist of two readings in political science and one in economics. In addition, a thesis will be required. The readings in political science will be given during the second semester of the Junior year and the first semester of the Senior year. The reading in economics may be selected from the offerings in that department. The thesis will be due on May 15 of the Senior year.

A weight of 15 hours will be given the readings and thesis (6-6-3) in political science. The reading in economics will increase the credit total to 21 semester-hours. The normal course load will be three courses each semester after the first semester of the Junior year, when four courses will be required. With the approval of the Departmental Honors Committee, an additional Honors Reading may be taken in a related department, with a corresponding reduction in the course requirements.

Oral or written examinations at the end of each reading and a general oral and written examination at the end of the Senior year will be required.

Honors readings in political science are as follows:

*Comparative Government.*—The theory and practice of modern European dictatorships and democracies.  
ASSOCIATE PROFESSOR COLE

*Political Theory.*—A consideration of political theory from the French Revolution to the present, with particular reference to American and Far Eastern contributions.  
ASSISTANT PROFESSOR LINEBARGER

## PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN; ASSOCIATE PROFESSOR ZENER, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR RHINE; ASSOCIATE PROFESSOR ADAMS; DR. PRATT

- \*101. **Introduction to Psychology: General Principles of Mental Activity.**—3 s.h. PROFESSOR LUNDHOLM; ASSOCIATE PROFESSOR ZENER; DR. PRATT
103. **Conation and Our Conscious Life.**—Analysis of adult human experience and its role in adaptive and creative endeavor. 3 s.h. PROFESSOR LUNDHOLM
104. **Comparative Psychology.**—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
- 107-108. **Psychological Analysis of Prominent Characters in Literature.**—Selected Seniors and Juniors only. 2 s.h. PROFESSOR LUNDHOLM  
[Not offered in 1940-41]
110. **Psychology of Motivation.**—3 s.h. ASSOCIATE PROFESSOR ZENER
- \*\*114. **Psychology of Personality.**—3 s.h. PROFESSOR RHINE
115. **Introduction to Child Psychology.**—3 s.h. ASSOCIATE PROFESSOR ADAMS
202. **Psychology of Esthetics.**—3 s.h. PROFESSOR LUNDHOLM
206. **Social Psychology.**—3 s.h. ASSOCIATE PROFESSOR ADAMS  
*This course was previously numbered 201.*
207. **Psychology of Memory, Perceiving, Thinking.**—3 s.h. ASSOCIATE PROFESSOR ZENER
- \*\*209. **Experimental Methods in Human Psychology.**—Laboratory and lectures. 4 s.h. ASSOCIATE PROFESSOR ZENER  
[Not offered in 1940-41]
211. **Physiological Psychology.**—3 s.h. ASSOCIATE PROFESSOR ZENER  
[Not offered in 1940-41]
216. **Seminar in Comparative Psychology.**—2 or 3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
217. **Gestalt Theory.**—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
219. **History of Psychology.**—2 s.h. \_\_\_\_\_
- \*\*223. **Abnormal Psychology.**—3 s.h. PROFESSOR LUNDHOLM  
*If advisable, this course may also be offered in the spring semester.*
226. **Contemporary Schools of Psychology.**—3 s.h. ASSOCIATE PROFESSOR ZENER  
[Offered in 1940 fall semester only]
228. **Psychology of Belief.**—2 s.h. PROFESSOR LUNDHOLM  
[Not offered in 1940-41]
- 231-232. **Introduction to Research.**—2 or 3 s.h. PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE PROFESSORS ADAMS AND ZENER

\* This course is a prerequisite for all other courses in psychology. It is not open to students of lower standing than Juniors, except Sophomores who have made an average grade of "B" or better.

\*\* Limited registration. Admission only after consultation with instructor.

**DEPARTMENTAL MAJOR**

*Prerequisites:* Zoology 1 and 2 or equivalent courses in biology.

*Major Requirements:* Eighteen semester-hours in Psychology including Psychology 101 and at least six hours in Senior-Graduate courses. The student is advised to consult with some member of the Department in planning his course.

**DEPARTMENTAL HONORS PROGRAM**

Departmental Honors in psychology are governed by the general rules covering all Honors programs.

*Prerequisite:* The minimum requirement for admission to Honors in psychology is the completion of Psychology 101 with a grade of "B" or higher. Completion of Zoology 1-2 is strongly recommended.

*Departmental Honors Program:*

(a) Honors Readings.—Tutorial work with a member of the Department designated by the Honors Committee. This work shall be counted as the equivalent of three semester-hours in the Junior and six semester-hours in the Senior year.

(b) Courses in Psychology.—At least six courses in the Department in addition to the prerequisite (of which at least three must be of Senior-Graduate level).

(c) Courses in Related Fields.—To complete the total of sixty semester-hours. All courses are to be chosen by consultation with the Departmental Honors Adviser.

(d) At the end of the Senior year.—A final written and oral examination on the fields of psychology chosen, and an experimental or critical paper on a selected problem.

**RELIGION**

PROFESSOR MYERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES;  
ASSISTANT PROFESSOR PETRY, SUPERVISOR OF FRESHMAN INSTRUCTION;  
PROFESSORS CANNON, HICKMAN, ORMOND, ROWE, AND SPENCE;  
ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS  
CLARK, CRUM, AND OUTLER; MRS. SPENCE

The requirements in Religion may be fulfilled by completing six semester-hours selected from the following courses: 1-2, 51-52, 101-102, 103-104, 105-106, 115-116, 151-152, 163, 167-168, 169-170, 181-182, 191, 275-276, 285, 291.

**1. The English Bible.**—Survey of the contents of the historical and prophetic books of the Old Testament with particular reference to the literary, historical, and religious values. Required of all students majoring in religion, and is open to others as an elective in the Freshman year. 3 s.h. (E & W) PROFESSORS MYERS AND ORMOND, ASSISTANT PROFESSORS CRUM AND OUTLER AND MRS. SPENCE

**2. The English Bible.**—Study of the Psalms, wisdom literature, and the literature of the New Testament with special attention given to the literary, historical, and religious values. Required of all students majoring in religion, and is open to others as an elective in the Freshman year. 3 s.h. (E & W) PROFESSORS MYERS AND ORMOND, ASSISTANT PROFESSORS CRUM AND OUTLER AND MRS. SPENCE

**51. The History of the Hebrew People.**—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contributions to civilization. For Sophomores; not open to students who have had Religion 1. 3 s.h. (E & W)

PROFESSOR SPENCE; ASSISTANT PROFESSORS OUTLER AND PETRY; MRS. SPENCE

**52. New Testament Life and Literature.**—A study of the literature of the New Testament, its historical background, and its religious value. For Sophomores; not open to students who have had Religion 2. 3 s.h. (E & W)

PROFESSORS MYERS AND SPENCE; ASSISTANT PROFESSORS  
OUTLER AND PETRY; MRS. SPENCE

**101. The Social Teachings of the Prophets and Jesus.**—A study of the social teachings of the Old Testament prophets and of the social ideals of Jesus as they appear in the four gospels. 3 s.h. (W) PROFESSOR ORMOND

**102. The Christian Church in the Social Order.**—This course will deal with the Christian Church in its service to society and its relation to other social institutions. 3 s.h. (W) PROFESSOR ORMOND

**103. The Prophets of the Old Testament.**—In this course a study is made of the history and nature of prophecy, with particular attention being given to the messages of the outstanding pre-exilic literary prophets. 3 s.h. (W)

PROFESSOR MYERS

**104. The History and Religion of the Jews to the Roman Period.**—The work in this course is based largely on exilic and post-exilic prophecy, the wisdom literature, and the earlier apocalyptic and apocryphal literature. 3 s.h. (W)

PROFESSOR MYERS

[Not offered in 1940-41]

**105. Religion in the Old Testament.**—A study of vital religious faith in Israel in relation to the political, social, and economic life of the times as that faith is reflected in the writings of the Old Testament. 3 s.h. (W)

PROFESSOR ROWE

**106. Religion in the New Testament.**—A study of the New Testament writings as the recorded expression of the religious thought and experience which appeared in connection with the person, message, and work of Jesus; and the missionary activity of the early church. 3 s.h. (W)

PROFESSOR ROWE

**115. The Life of Jesus.**—A study of the period in which Jesus lived and the record of his life as given in the Synoptic Gospels. 3 s.h. (W) (Old number SR.215.)

PROFESSOR MYERS

[Not offered in 1940-41]

**116. The Teachings of Jesus.**—An interpretation of the teachings of Jesus as recorded in the Synoptic Gospels. 3 s.h. (W) (Old number SR.216.)

PROFESSOR MYERS

**151. Personality and Human Values.**—Problems of college students in adjusting their personalities to an age of science, machinery, social conflict and doubt. Special attention will be given to spiritual values. (Identical with Sociology 121.) 3 s.h. (W)

PROFESSOR HART

**152. Personality and Culture.**—Problems of college students in adjusting their personalities to the social institutions of which they are, or are to be, parts. Special attention will be given to religion and the church as social institutions. (Identical with Sociology 122.) 3 s.h. (W)

PROFESSOR HART

**163. Religious Education of Children.**—An analysis of the religious life, interests and capacities of children; including a study of the problems, objectives, methods, and materials involved in teaching religion to children. Directed to the needs of the lay workers in the church. 3 s.h. (E)

MRS. SPENCE

**167. Contemporary Religious Problems.**—A course that deals with the main interests of life from the standpoint of their social and religious significance. 3 s.h. (W)

PROFESSOR SPENCE



168. **Masterpieces of Great Religious Literature.**—This course is devoted to the religious thought in the literature from the second to the twentieth centuries, with special attention given modern religious poetry. 3 s.h. (w)  
(Old number SR.270.) PROFESSOR SPENCE

169. **Character Problems.**—Problems of youth in character building. 3 s.h. (w)  
ASSISTANT PROFESSOR CRUM

170. **Religion and the Family.**—A study of the American home in its contemporary social and religious aspects. 3 s.h. (w)  
ASSISTANT PROFESSOR CRUM

181. **The Nature and Early Development of Religion.**—Introduction to the early history of religion, the beliefs and practices of the more primitive peoples, and the religious life of the ancient world. For Juniors and Seniors. 3 s.h. (w)  
PROFESSOR CANNON

182. **Living Religions of the World.**—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. 3 s.h. (w) (Old number 282.) PROFESSOR CANNON  
[Not offered in 1940-41]

191. **Fundamentals of Christian Morality: An Introduction to Christian Ethics.** (Identical with Philosophy 119.) 3 s.h. (w) DR. McLARTY

201-202. **First Hebrew.**—A study in the forms of the Hebrew language with reading of selected Old Testament narratives. 6 s.h. (w)  
ASSOCIATE PROFESSOR STINESPRING

SR.211-212. **Hellenistic Greek.**—A course for students who wish to begin the study of New Testament Greek. 6 s.h., provided the student takes six semester-hours in New Testament Greek the following year. 6 s.h. (w)  
ASSISTANT PROFESSOR CLARK

219. **Life of Paul.**—A study of Paul's life on the basis of Acts and the letters of Paul, emphasizing the permanent values in Paul's work and his contribution to the world. 3 s.h. (w) PROFESSOR MYERS  
[Not offered in 1940-41]

262. **The Educational Work of the Church.**—A consideration of the total task of the Church from an educational viewpoint. Attention will be given to such fundamental aspects as principles and objectives of the educative process, curriculum, supervision, worship and leadership education and guidance. 3 s.h. (w) PROFESSOR SPENCE

263. **Curriculum of Religious Education.**—Educational conceptions of the curriculum, values and uses of current curricula, principles and techniques of curriculum construction. 3 s.h. (w) PROFESSOR SPENCE  
[Not offered in 1940-41]

SR.265. **Religious Drama.**—A historical survey of the relation between religion and drama, a study of the uses and underlying principles of religious drama, and a critical examination and interpretation of selected dramatic productions. 3 s.h. (w) PROFESSOR SPENCE

267. **Technic of Teaching Religion.**—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. 3 s.h. (w) PROFESSOR SPENCE

**SR.268. Religious Drama Construction and Production.**—Project work in the creation and production of religious drama and pageants. Practice in the selection, staging, lighting, and direction of religious plays. Construction of dramatic programs of worship. 3 s.h. (w) PROFESSOR SPENCE

**275. Psychology of Religion I.**—An analysis of the major factors in religious experience. 3 s.h. (w) PROFESSOR HICKMAN

**276. Psychology of Religion II.**—A study of the genesis and growth of religious experience. 3 s.h. (w) PROFESSOR HICKMAN

**285. The Religions of the Far East.**—A study of the religious systems of China, Korea, and Japan. 3 s.h. (w) ACTING PROFESSOR DUBS  
[Offered in the second semester, 1940-41.]

**291. The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. (Identical with Philosophy 203. Prerequisite: six hours of philosophy.) 3 s.h. (w) ASSOCIATE PROFESSOR MORGAN

*Note:* A complete list of advanced courses in the field of Religion will be found in the *Bulletin of the School of Religion*.

#### DEPARTMENTAL MAJOR

*Prerequisite:* Religion 1-2, or 51-52.

*Major Requirements:* A major in the Department of Religion consists of twenty-four semester hours of work, exclusive of courses primarily for Freshmen, eighteen semester-hours of which shall be selected with the approval of the instructor under whose supervision the student does his major work.

#### DEPARTMENTAL HONORS PROGRAM

##### *General Rules:*

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

II. The minimum amount of work that may be taken in the Department of Religion shall be the equivalent of twenty-four semester-hours, and the maximum shall be the equivalent of thirty-six semester-hours. Of this, the work done in the Honors tutorials shall count fifteen hours, six hours for the Junior year, six hours for the Senior year, and three hours for the comprehensive examination at the end of the Senior year.

III. The related work, which shall constitute at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

##### *Prerequisite:*

The minimum requirement for admission to Honors in Religion is the completion of a course in Religion during the Sophomore year on which the student makes at least a grade of "B."

##### *Normal Program:*

The normal program for the Honors student in the Junior year shall consist of the Honors tutorial, two courses in the Department of Religion, and two courses in related departments; in the Senior year the work shall consist of the Honors tutorial, one and one-half courses in Religion, and two in related departments.

##### *General Honors Examinations:*

Two comprehensive written examinations and a supplementary oral examination will be held at the end of the Senior year to test the student's knowledge of the special field in which he has done his Honors work.

## ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR DAVIS, SUPERVISOR OF FRESHMAN INSTRUCTION IN FRENCH; ASSISTANT PROFESSOR HASBROUCK, SUPERVISOR OF FRESHMAN INSTRUCTION IN SPANISH; PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS BRIDGERS, QUYNN, REID, AND YOUNG; DR. DOW, MISS RAYMOND, MME. DOW, MR. SINGER; AND ASSISTANTS

The courses in French from 1 to 52, inclusive, 57-58, and 87-88 are for the general student. They give a reading knowledge of standard French and furnish an introduction to French letters. Courses 55-56, 107, 127-128, and 217 offer training in the French language. The literary courses are devoted to the systematic study of classical and modern French literature. Advanced students are offered an introductory course in Old French and Old French literature. Those planning to teach will find in course 218 a treatment of the teaching of French.

The course in Italian includes the reading of Dante's *Inferno*.

The courses in Spanish from 1 to 66 inclusive are for the general student. Their objective is the attainment of ability to read the language with sufficient ease to be able to interpret standard literary Spanish. Courses 253 and 260 offer further training in the oral and written use of the language. Course 254 discusses problems and materials incident to the teaching of Spanish. The remaining courses are devoted to the interpretation of modern and classic Spanish and Spanish-American literature.

## FRENCH

## 1-2. Elementary French.—6 s.h. (W &amp; E)

PROFESSOR WEBB; ASSISTANT PROFESSORS BRIDGERS AND QUYNN; DR. DOW

## 3-4. French Prose.—Prerequisites: French 1 and 2, or two years of high-school French. 6 s.h. (W &amp; E)

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON; ASSISTANT PROFESSORS BRIDGERS, DAVIS, AND QUYNN; DR. DOW, MISS RAYMOND, AND MME. DOW

## 51-52. Introduction to French Literature.—Prerequisites: French 3 and 4 or equivalent. 6 s.h. (W &amp; E)

PROFESSORS COWPER AND JORDAN; ASSISTANT PROFESSORS BRIDGERS, DAVIS, QUYNN, AND YOUNG; DR. DOW AND MISS RAYMOND

57-58. Introduction to French Literature.—Identical in content with 51-52 this course has less translation into English. Various exercises will replace translation. Considerable use will be made of French in conducting the course. Open to those whose previous training or superior record indicates that they are qualified. Prerequisites: French 3 and 4 or equivalent. 6 s.h. (W & E)

PROFESSOR WEBB AND ASSOCIATE PROFESSOR WALTON

*Students will take course 51-52 or 57-58. They will not take both 51 and 57 or 52 and 58. Total credit in these courses is limited to six semester-hours. They are the basic prerequisites to all higher courses.*

## 55. Exercises in Spoken French.—1 s.h. (W &amp; E) MME. LINIÈRE DOW

56. Exercises in Spoken French.—1 s.h. (W & E) MME. LINIÈRE DOW  
55 and 56 may be taken with 51-52 or courses of a higher number.87-88. French Writers of the Romantic Movement.—6 s.h. (E)  
ASSISTANT PROFESSOR DAVIS

*May not be taken with or in addition to course 108.*

107. **French Composition.**—3 s.h. (w & E)  
PROFESSOR COWPER AND MISS RAYMOND
108. **The French Romantic Movement.**—3 s.h. (w & E)  
PROFESSOR COWPER AND MISS RAYMOND  
*May not be taken with or in addition to course 87-88.*
111. **French Drama since 1850.**—(E) ASSISTANT PROFESSOR YOUNG
112. **French Drama since 1850.**—(E) ASSISTANT PROFESSOR YOUNG
115. **Balzac and His Age.**—3 s.h. (w) ASSISTANT PROFESSOR BRIDGERS
116. **Balzac and His Age.**—3 s.h. (w) ASSISTANT PROFESSOR BRIDGERS
127. **Advanced French Composition.**—Prerequisite: French 107 or equivalent. 3 s.h. (w) MME. LINIÈRE DOW
128. **Advanced French Composition.**—Prerequisite: French 107 or equivalent. 3 s.h. (w) MME. LINIÈRE DOW
213. **French Classicism.**—From Malherbe to La Bruyère. 3 s.h. (w)  
ASSOCIATE PROFESSOR WALTON
214. **French Classicism.**—From La Bruyère to the Encyclopedists and Beaumarchais. 3 s.h. (w)  
ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]
- 215-216. **The Modern French Novel.**—A survey of the novel form from the seventeenth to the twentieth centuries, with particular attention to the analysis of fundamental literary tendencies: classicism, rationalism, romanticism, and realism. Prerequisite: 87-88 or 3 s.h. from courses 108 to 116. 6 s.h. (w) PROFESSOR JORDAN
217. **French Phonetics.**—French sounds and French spelling; pronunciation drills; exercises in phonetic transcription and dictation; diction; aural comprehension. Prerequisite: 3 s.h. from courses 107 or 127-128. 3 s.h. (w)  
[Not offered in 1940-41] PROFESSOR WEBB
218. **Materials and Methods.**—History of the teaching of French; methods; the course of study; analysis and criticism of representative texts; tests and examinations; objectives in the light of teaching conditions, equipment and future application. Prerequisite: course 107 or equivalent. 3 s.h. (w)  
*First semester.* PROFESSOR WEBB
219. **Old French.**—An introduction to the Old French language and literature. 3 s.h. (w) PROFESSOR COWPER
220. **Old French.**—Types of Old French literature. 3 s.h. (w)  
[Not offered in 1940-41] PROFESSOR COWPER
227. **French Poetry since Théophile Gautier.**—Parnassianism and symbolism. 3 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]
232. **Rousseau and the Beginnings of Romanticism.**—3 s.h. (w)  
PROFESSOR COWPER
233. **Main Currents of Modern French Literature.**—A survey of the principal literary tendencies from the seventeenth to the nineteenth centuries. Selected illustrative readings from leading authors. 3 s.h. *Second semester.* (w) PROFESSOR WEBB



## ITALIAN

181-182. Italian.—Introduction to the language, modern Italian readings, and Dante's *Inferno*. 6 s.h. (w) PROFESSOR WEBB

## ROMANCE LITERATURE IN TRANSLATION

191-192. Masterpieces of Romance Literature in English Translation.—Dante, Boccaccio, Petrarch, Machiavelli, Rabelais, Montaigne, Descartes, Cervantes, Calderón, Quevedo, Racine, Corneille, Molière, Voltaire, and Rousseau. 6 s.h. (w) ASSISTANT PROFESSOR HASBROUCK

## SPANISH

1-2. Elementary Spanish.—6 s.h. (w & E)  
ASSISTANT PROFESSORS DAVIS, HASBROUCK, QUINN, REID  
AND YOUNG; DR. DOW AND MR. SINGER

3-4. Intermediate Spanish.—Prerequisites: Spanish 1-2 or two years of high-school Spanish. 6 s.h. (w & E)  
ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS  
BRIDGERS, HASBROUCK, QUINN AND REID

65. Introduction to Modern Spanish Literature.—Prerequisites: Spanish 3-4 or equivalent. 3 s.h. (w & E)  
ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT  
PROFESSORS HASBROUCK AND REID

66. Introduction to Spanish Literature of the Golden Age.—Prerequisites: Spanish 65 or equivalent. 3 s.h. (w & E)  
ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSOR HASBROUCK

155-156. Survey of Spanish American Literature.—Reading and discussion of representative texts illustrating the cultural development from Colonial times to the present. Prerequisites: Spanish 65-66 or special permission. 6 s.h. (w) ASSISTANT PROFESSOR REID

157-158. The Modern Spanish Theater.—Prerequisites: Spanish 65-66 or 3-4 with permission. 6 s.h. (w) ASSISTANT PROFESSOR HASBROUCK  
[Not offered in 1940-41]

253. Spanish Phonetics.—The sounds of the Spanish language; sound changes; exercises in transcription; regional pronunciation; intonation; limited use of electrical recording machines. Prerequisites: Spanish 65-66. (Enrollment limited to fifteen students.) 3 s.h. (w) ASSISTANT PROFESSOR LUNDEBERG

254. Materials and Methods.—History of the teaching of Spanish; survey of methods and objectives; evaluation of representative texts; tests, word-counts and other auxiliary devices; the course of study. Prerequisites: Spanish 65-66. 3 s.h. (w) ASSISTANT PROFESSOR REID  
[Not offered in 1940-41]

260. Advanced Syntax and Composition.—Systematic review of Spanish syntax; free oral and written composition; selected translation assignments; epistolary forms, etc. Conducted mainly in Spanish. Prerequisite: Spanish 65-66. (Enrollment limited to fifteen students.) 3s.h. (w) ASSISTANT PROFESSOR REID

261-262. The Modern Spanish Novel.—The evolution of the novel from the *costumbrista* writers through the generation of 1898. Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h. (w) ASSISTANT PROFESSOR LUNDEBERG



**265. Golden Age Literature: Cervantes.**—The *Novelas ejemplares*; analytic study of the tales, their style, literary importance and influence. Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h. (w) ASSOCIATE PROFESSOR LUNDEBERG  
[Not offered in 1940-41]

**266. Golden Age Literature: The Don Juan Theme.**—Study of representative Don Juan plays of the Golden Age, with reference to use of this motif by later writers. Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h. (w) ASSOCIATE PROFESSOR LUNDEBERG  
[Not offered in 1940-41]

#### DEPARTMENTAL MAJOR

*Prerequisites:* French 1-2, 3-4, or equivalent, for French. Spanish 1-2, 3-4, or equivalent, for Spanish.

*Major Requirements:* In French, twenty-four semester-hours of work must be completed in courses above the Freshman level, and must include: (a) six semester-hours from the group 107, 127-128, 217; (b) six semester-hours of literature in courses numbered 213 to 233. Students desiring the recommendation of the Department for the teaching of French will take in addition French 218.

In Spanish, twenty-four semester-hours must be completed as follows: twelve semester-hours in the courses 65-66, 155-156, 157-158; twelve semester-hours from the group 253-254, 260, 261-262, 265-266.

#### DEPARTMENTAL HONORS PROGRAM

*Prerequisites:* Completion of 51-52 or 57-58 by the end of Sophomore year in a manner satisfactory to the Departmental Committee.

Honors work in French includes:

(a) Training in the use of written and oral French; composition, résumé, and literary commentary in French. 3 s.h. each semester of Junior and Senior years, total 12 s.h.

(b) Readings in French literature.

(1) Survey of chief authors. 3 s.h. each semester or 12 s.h.

(2) Genre studies beginning with the modern novel. 3 s.h. each semester or 12 s.h.

(c) Comprehensive examination.

(d) Related work; 24 s.h.

#### SOCIOLOGY

PROFESSOR ELLWOOD, CHAIRMAN; PROFESSOR JENSEN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR HART; ASSISTANT PROFESSOR THOMPSON

**91-92. General Sociology.**—The same as course 101, except that it gives an additional hour of credit to permit the introduction of more concrete materials, and admits Sophomores with an average grade of not less than "C" during the Freshman year. 6 s.h. (E) PROFESSOR THOMPSON

**101. General Sociology.**—An introduction to the scientific study of social life; its origin, evolution, and organization as illustrated by the study of a number of concrete social problems. This course is repeated each semester and it, or its equivalent course 91-92, is prerequisite to all other courses in sociology. 5 s.h. (w) PROFESSOR ELLWOOD

**102. General Sociology.**—The same as course 101. 5 s.h. (w)

**109. Sociology of the South.**—The developing regional organization of the world economy studied with especial reference to Southern life and problems. A survey of the composition and distribution of population, races and race relations; economic conditions underlying population, race factors, and culture of the South. Primary emphasis is upon social change and its control. Prerequisite: course 91-92 or 101. 3 s.h. (w) ASSISTANT PROFESSOR THOMPSON

111. **Introduction to Child Welfare.**—A special course in child welfare for Juniors and Seniors. Prerequisite: course 91-92 or 101. 3 s.h. (w) Spring semester 1941. PROFESSOR JENSEN

114. **Race Relations.**—Against the background of a preliminary study of interracial experiences in other parts of the world an effort is made to understand more clearly the racial situation in the Southern States. Prerequisite: course 91-92 or 101. 3 s.h. (w) ASSISTANT PROFESSOR THOMPSON

121. **Personality and Human Values.**—Problems of college students in adjusting their personalities to an age of science, machinery, social conflict and doubt. Prerequisites: Sociology 91-92 or 101. 3 s.h. PROFESSOR HART

122. **Personality and Culture.**—Problems of college students in adjusting their personalities to the social institutions of which they are, or are to be, parts. Prerequisites: Sociology 91-92 or 101. 3 s.h. PROFESSOR HART

205. **Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. Prerequisite: course 91-92 or 101. 3 s.h. (w) Spring semester 1941. PROFESSOR JENSEN

206. **Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. Prerequisite: course 91-92 or 101. 3 s.h. (w) PROFESSOR JENSEN

212. **Child Welfare.**—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. Prerequisite: course 91-92 or 101. 3 s.h. (w) PROFESSOR JENSEN  
[Not offered in 1940-41]

213. **Constructive Social Policies.**—An intensive study of the theories and legislation dealing with such problems as compensation, vocational re-education, and other methods of social insurance and social improvement. Prerequisite: course 91-92 or 101. 2 s.h. (w) PROFESSOR JENSEN  
[Not offered in 1940-41]

219. **Urban Sociology.**—This course studies the function of the city in the larger community which it nucleates both as market and as industrial center. More detailed attention, however, is given to the inner life and problems of the city. Prerequisite: course 91-92 or 101. 3 s.h. (w) ASSISTANT PROFESSOR THOMPSON

220. **Rural Sociology.**—A study of the societies developed by people who settle the land and exploit it for a livelihood. The institutions peculiarly rural are the farm family, the peasant village, the ranch, and the plantation. In this course special attention is given to the plantation and the rural problems of the South. Prerequisite: course 91-92 or 101. 3 s.h. (w) ASSISTANT PROFESSOR THOMPSON

**227. Emigration and Immigration.**—A study of territorial movements of population with especial reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organizations in the New World; problems, agencies, and processes of assimilation. Prerequisite: course 91-92 or 101. 3 s.h. (w)

PROFESSOR JENSEN

[Not offered in 1940-41]

**231. General Anthropology.**—A study of the evolution of man and of human culture. The prehistoric human types; modern races; the evolution of tools, technology, family life, political institutions, art, and language. 3 s.h. (w) Prerequisite: course 91-92 or 101.

PROFESSOR HART

**232. Cultural Anthropology.**—A study of the processes of cultural change. The emergence of magic, religion, morals, and science; invention and diffusion; the dynamics of social change; the role and methods of the social innovator. 3 s.h. (w) Prerequisite: course 91-92 or 101.

PROFESSOR HART

**233. The World Crisis in the Light of Social Anthropology.**—Present world issues in the light of the trends of human culture and of the dynamic processes through which men may take part in determining the future of civilization. 3 s.h. (w)

PROFESSOR HART

[Not offered in 1940-41]

**234. Social Ethics.**—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men—particularly capacities for creative co-operation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? 3 s.h. (w)

PROFESSOR HART

**238. The American Indian.**—The origin, history, and culture of the American Indian stocks, with especial reference to those of North America. 3 s.h. (w)

[Not offered in 1940-41]

**242. Marriage and the Family.**—An analysis of contemporary marriage and family experience with emphasis on its functions, problems, resources, and values. Prerequisite for undergraduate credit: Sociology 91-92 or 101. 2 s.h. (w)

PROFESSOR GROVES (U. N. C.)

**252. Education and Social Control.**—A study of education as an agency of social control and of social progress from primitive times to the present. 2 s.h. (w)

PROFESSOR ELLWOOD

#### DEPARTMENTAL MAJOR

Students desiring to take a major in sociology are required to complete course 91-92 or 101 or 102 and twelve additional hours in the Department, at least six of which must be from courses numbered 200 or over.

#### ZOOLOGY

PROFESSOR PEARSE, CHAIRMAN; ASSOCIATE PROFESSOR GRAY, DIRECTOR OF UNDERGRADUATE STUDIES; DR. BOOKHOUT, SUPERVISOR OF FRESHMAN INSTRUCTION; DR. JEFFERS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); PROFESSORS CUNNINGHAM, HALL, HARGITT; DRs. CULBRETH, JOHNSON, TUCKER, AND WHARTON; AND ASSISTANTS

**1. General Zoology.**—A brief survey of the animal kingdom. 4 s.h. (w & e)

DRs. BOOKHOUT AND JEFFERS; DRs. CULBRETH, JOHNSON, WHARTON, AND TUCKER; AND ASSISTANTS

**2. Animal Biology.**—A study of the principles of biology as applied to animals. Prerequisite: Zoology 1. 4 s.h. (w & e)

ASSOCIATE PROFESSOR GRAY AND DR. JEFFERS; DRs. BOOKHOUT, CULBRETH, TUCKER, AND WHARTON; AND ASSISTANTS

**53. Comparative Vertebrate Anatomy.**—A study of the anatomy and evolution of the organ systems of vertebrates. Prerequisites: Zoology 1 and 2.

4 s.h. (w & e)

ASSOCIATE PROFESSOR GRAY AND DR. CULBRETH;  
DRs. TUCKER AND WHARTON

**92. General Embryology.**—A study of the fundamental principles of embryology as illustrated in the frog, chick, and mammal. Prerequisite: Zoology 53. 4 s.h. (w & e)

PROFESSOR CUNNINGHAM AND DR. JEFFERS; DR. JOHNSON

**109. Evolution.**—The facts and theories of organic evolution. Prerequisite: two years of zoology. 2 s.h. (w)

DR. JOHNSON

**110. Introduction to Genetics.**—The principles and practical applications of genetics as applied to animals, including man; family and twin studies. Prerequisite: one year of zoology. 2 s.h. (w)

DR. JOHNSON

**151. Comparative Physiology.**—The primary functions of animals of all groups and a more detailed study of the physiological processes in mammals. Prerequisite: Zoology 53. 4 s.h. (w) first semester and (e) second semester for women.

PROFESSOR HALL AND DR. CULBRETH; AND ASSISTANTS

**156. Vertebrate Histology.**—The microscopic structure of normal tissues and organs of the vertebrate body. Training will be given in the preparation of material for microscopic study. Primarily for major students in zoology and not recommended for pre-medical students since a similar course is given in the first-year medical curriculum. Prerequisite: Zoology 53. One lecture and three laboratory periods. 4 s.h. (w)

PROFESSOR HARGITT

**161. Animal Parasites.**—A consideration of animal parasites, with emphasis upon those infesting man. Prerequisite: one year of zoology. 4 s.h. (w)

PROFESSOR PEARSE

**174. Invertebrate Zoology.**—A study of structure, function, and habits of invertebrate animals under normal and experimental conditions. Field trips will be made to study, collect, and classify animals in their natural habitats. Prerequisites: Zoology 1 and 2. 4 s.h. (w)

DR. BOOKHOUT

#### FOR SENIORS AND GRADUATES

**204. Advanced Parasitology.**—Lectures, conferences, readings, and laboratory work, dealing with practical and theoretical matters relating to animal parasites. Offered in alternate years. Prerequisite: Zoology 161. 3 or 4 s.h. (w)

PROFESSOR PEARSE

**219, 220. Special Problems.**—Senior majors who have had proper training may be permitted to carry on special work. Permission must be obtained from the Director of Undergraduate Studies and the instructor under whom the student wishes to work. Not more than 4 s.h. (w)

STAFF

**222. Entomology.**—A study of anatomy, physiology, embryology, and classification of insects. Offered in alternate years. Prerequisite: one year of zoology. 4 s.h. (w)

ASSOCIATE PROFESSOR GRAY

[Not offered in 1940-41]

**224. Vertebrate Zoology.**—A study of life histories, adaptations, ecology, and classification of vertebrate animals. Offered in alternate years. Prerequisite: Zoology 53. 4 s.h. (w)

ASSOCIATE PROFESSOR GRAY

229. **Endocrinology.**—The structure, physiology, and embryology of the endocrine glands. Lectures, reading assignments, and reports. Prerequisites: Zoology 53 and 92. 3 or 4 s.h. (w) PROFESSOR CUNNINGHAM

256. **Seminar: Current Developments in Physiological Zoology.**—Prerequisite: Zoology 151. Open only to Seniors. 2 s.h. (w) PROFESSOR HALL

RELATED COURSES WHICH MAY BE COUNTED TOWARD A MAJOR IN ZOOLOGY

**Botany 101. Principles of Heredity.**—3 or 4 s.h. (w)  
ASSISTANT PROFESSOR PERRY

**Botany 103. General Bacteriology.**—4 s.h. (E & W) PROFESSOR WOLF

**Botany 202. Genetics.**—4 s.h. (w) ASSISTANT PROFESSOR PERRY

#### DEPARTMENTAL MAJOR

*Prerequisites:* Zoology 1 and 2.

*Major Requirements:* Twenty-four semester-hours including courses 53, 92, and 151. The remaining twelve hours may be from any other courses for which the student is eligible.

#### DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in zoology a student is expected to have completed zoology courses 1, 2, 53, and 92 and not less than eight semester-hours of chemistry.

Honors work consists of regular courses and independent study; the program, however, will not be the same for all students. Zoology 151 is required of all zoology majors; the number and nature of other courses to be taken in zoology and in related subjects will depend upon the needs and interests of the student. The usual number of semester courses will be four to six in zoology and six in other subjects in the Natural Science Group.

In addition to regular courses each student shall read in such fields as history of biology and zoological theories, or in special fields, and shall undertake a special research problem under the direction of some member of the Staff whom the student may select. The student may be asked to prepare written reports on his readings and must present a written report on his research problem. Readings and problem count for nine to twelve semester-hours.

At the end of the Junior year an examination will be given to test the student's ability to correlate material and to determine his fitness to continue in the Honors Group. At the end of the Senior year a general comprehensive examination covering the entire field of study must be passed.



# THE COLLEGE OF ENGINEERING

## ADMISSION

Admission to the College of Engineering of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. Prospective students and relatives are invited to visit the University and the College of Engineering in particular. This would be advantageous to the applicant since it would enable him to acquaint himself with the facilities of the University, and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer \$5.00 additional for the privilege of matriculation.

An applicant for admission to the Freshman Class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

	UNITS		UNITS
English .....	4	Botany .....	1
Latin .....	4	Zoology .....	1
Greek .....	3	General Biology .....	1
German .....	3	Physical Geography .....	1
French .....	3	General Science .....	1
Spanish .....	3	Agriculture .....	2
Mathematics .....	4	Mechanical Drawing .....	2
History and Civics .....	4	Woodwork, Forging, and Machine Work .....	2
Physics .....	1	Household Economics .....	2
Chemistry .....	1	Commercial Subjects .....	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

## ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made

out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one-half of the fifteen units required for admission must come from the following:

*Required Units*

English .....	3 units
Foreign Language .....	2 units
*Science .....	1 unit
History .....	1 unit
**Algebra .....	1½ or 2 units
Plane Geometry .....	1 unit

*Elective Units*

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

Algebra .....	½ unit
Solid Geometry .....	½ unit
Trigonometry .....	½ unit
†German or French or Latin or Spanish or Greek .....	1 to 4 units
History or Civics (not the required unit).....	1 to 3 units
Physics or Chemistry or Biology (not the required unit) .....	1 to 3 units

**ADMISSION BY EXAMINATION**

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable, are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

**ADMISSION TO ADVANCED STANDING**

Students may be admitted to advanced standing from other approved institutions under the following conditions: All applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institu-

\* Wherever possible physics or chemistry should be offered for this requirement.

\*\* Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

tions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester hours of work approved for Seniors, with an average grade of "C." is required of all candidates for the Bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer \$5.00 additional for the privilege of matriculating.

#### FRESHMAN WEEK

The week immediately preceding the opening of College is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given, on the basis of which Freshmen are sectioned in English and mathematics. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all Freshmen.

#### SPECIAL STUDENTS

Students of mature age not fully prepared to enter the Freshman Class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of classwork a week.

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#### FEES AND EXPENSES

Information as to fees and expenses and room accommodations applicable to the College of Engineering is given, along with similar information for Trinity College and the Woman's College, on pages 155-160.

# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL OR MECHANICAL ENGINEERING

## GENERAL STATEMENT

The studies for the degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering are designed for students who are preparing for civil, electrical, or mechanical engineering, as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.S., and B.S. in M.E.

Each of these degrees requires one hundred and thirty-eight semester-hours of work of which one hundred and twenty-two must be completed with an average grade of "C." Six semester-hours of electives must be taken in the Department of Economics or of Political Science. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students should note that immediately after the final examinations in May or June a three-weeks course in surveying is given under the direction of the Summer School. This course is required of all civil engineering students at the end of their Freshman year and is required of all other engineering students before graduation.

## GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

### GROUP I

#### CIVIL ENGINEERING

##### *Freshman Year*

FIRST SEMESTER	S.H.		SECOND SEMESTER	S.H.
Mathematics 9 .....	5	Mathematics 10 .....		5
Chemistry 1 .....	4	Chemistry 2 .....		4
English 1 .....	3	English 2 .....		3
Physics 17 .....	3	Physics 18 .....		3
Drawing 1 .....	2	Drawing 2 .....		2
Physical Education .....		Physical Education .....		
	17			17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

##### *Sophomore Year*

Mathematics 59 .....	4	Mathematics 60 .....	4
Physics 57 .....	3	Physics 58 .....	3
Statics 7 .....	3	Kinetics 8 .....	2
Surveying 11 .....	2	Materials 118 .....	3
Highways 15 .....	3	Highways 117 .....	2
Economics 51 .....	3	Economics 52 .....	3
Physical Education .....		Physical Education .....	
	18		17

*Junior Year*

Strength of Materials 107	4	Hydraulics 108	4
Curves and Earthwork 113	2	Curves and Earthwork 114	2
Structures 131	4	Structures 132	4
Engineering Elective	3	Engineering Elective	3
Elective	3	Elective	3
	<hr/>		<hr/>
	16		16

*Senior Year*

Hydraulic Eng. 123	4	Hydraulic Eng. 124	4
Concrete 133	3	Concrete 134	3
Railroads 119	3	Railroads 120	2
Seminar 137	1	Seminar 138	1
Electives	6	Astronomy 112	2
	<hr/>	Electives	5
	17		<hr/>
			17

**GROUP II**

ELECTRICAL ENGINEERING

*Freshman Year*

FIRST SEMESTER

SECOND SEMESTER

	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	<hr/>		<hr/>
	17		17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

*Sophomore Year*

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 7	3	Kinetics-Mechanism 82	4
Electrical Engineering 51	3	Electrical Engineering 52	3
Economics 51	3	Economics 52	3
Steam Engineering 85	2	Physical Education	
Physical Education			
	<hr/>		<hr/>
	18		17

*Junior Year*

Theory of D. C. Circuits 151	3	Theory of A. C. Circuits 152	3
Hydraulics 108	4	Strength of Materials 107	4
Electrical Circuits Lab. 161	1	Electrical Circuits Lab. 162	1
Heat Power Eng. 181	3	Heat Power Eng. 182	3
Differential Equations 131	3	Electrical Measurements 104	3
Mechanical Engineering		Mechanical Engineering	
Laboratory 199	1	Laboratory 200	1
	<hr/>		<hr/>
	15		15



*Senior Year*

A. C. Machinery 257 .....	3	A. C. Machinery 258 .....	3
Electric-Pow. Trans. 159 .....	3	Electric-Pow. Stations 158 .....	3
Communication 261 .....	3	Communication 262 .....	4
D. C. Machinery 155 .....	2	Seminar 166 .....	1
D. C. Machinery Lab. 163 .....	1	Electives .....	6
Seminar 165 .....	1		
Electives .....	6		
	<hr/>		<hr/>
	19		17

**GROUP III**

**MECHANICAL ENGINEERING**

*Freshman Year*

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Mathematics 9 .....	5	Mathematics 10 .....	5
Chemistry 1 .....	4	Chemistry 2 .....	4
English 1 .....	3	English 2 .....	3
Physics 17 .....	3	Physics 18 .....	3
Drawing 1 .....	2	Drawing 2 .....	2
Physical Education .....		Physical Education .....	
	<hr/>		<hr/>
	17		17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

*Sophomore Year*

Mathematics 59 .....	4	Mathematics 60 .....	4
Physics 57 .....	3	Physics 58 .....	3
Statics 7 .....	3	Kinetics-Mechanism 82 .....	4
Constructive Processes 79 .....	3	Steam Engineering 86 .....	3
Economics 51 .....	3	Economics 52 .....	3
Physical Education .....		Physical Education .....	
	<hr/>		<hr/>
	16		17

*Junior Year*

Hydraulics 185 .....	3	Machine Design 170 .....	3
Strength of Materials 107 .....	4	Internal Comb. Engines 186 .....	3
Electrical Engineering 153 .....	3	Electrical Engineering 154 .....	3
Thermodynamics 187 .....	3	Thermodynamics 188 .....	3
Mechanical Engineering Laboratory 189 .....	1	Mechanical Engineering Laboratory 190 .....	2
Elective .....	3	Elective .....	3
	<hr/>		<hr/>
	17		17

*Senior Year*

Machine Design 171 .....	3	Aeronautics 198 .....	3
Power Plants 191 .....	3	Industrial Engineering 192 .....	3
Mech. Eng. Laboratory 193 .....	2	Mech. Eng. Laboratory 194 .....	2
Heating and Air Conditioning 195 .....	3	Refrigeration 196 .....	2
Seminar 173 .....	1	Seminar 174 .....	1
Electives .....	5	Electives .....	6
	<hr/>		<hr/>
	17		17

# COURSES OF INSTRUCTION, COLLEGE OF ENGINEERING

PROFESSOR HALL, DEAN; PROFESSOR BIRD, CHAIRMAN CIVIL ENGINEERING; PROFESSOR SEELEY, CHAIRMAN ELECTRICAL ENGINEERING; PROFESSOR WILBUR, CHAIRMAN MECHANICAL ENGINEERING; ASSISTANT PROFESSORS MEIER, REED, AND WATSON; MESSRS. CHAPMAN, KRAYBILL, PIGAGE, THEISS, VAIL, AND WILLIAMS

## GENERAL ENGINEERING

**1-2. Engineering Drawing.**—The study and practice of mechanical drawing of elementary machine parts with special reference to such topics as dimensioning, material specifications and elements of intersections, projections and developments. Six laboratory hours. **4 s.h.** (E) MR. PIGAGE

**5. Descriptive Geometry.**—Problems relating to point, line, plane, and solid relationships in space. One recitation, three laboratory hours. **2 s.h.** (E) MR. PIGAGE

**7. Statics.**—Concurrent forces, parallel forces, nonconcurrent and non-parallel forces, centroids, friction, moment of inertia. Prerequisites: courses 1 and 2, Mathematics 9 and 10. **3 s.h.** (E) STAFF

**8. Kinetics.**—Translation, rotation, work, energy, and momentum. Prerequisites: course 7, and Mathematics 59. **2 s.h.** (E) STAFF

**107. Strength of Materials.**—Elastic bodies under stress; flexure of simple, overhanging, fixed, and continuous beams; columns; combined stresses; etc. Three recitations, three laboratory hours. Prerequisite: course 7. **4 s.h.** (E) STAFF

**108. Hydraulics.**—Hydrostatics; flow of water through orifices, weirs, pipes, and open channels; general principles of water wheels and turbines. Prerequisite: course 7. **4 s.h.** (E) Either semester. STAFF

## CIVIL ENGINEERING

PROFESSORS BIRD AND HALL; ASSISTANT PROFESSOR WATSON;  
MR. WILLIAMS

**S10. Plane Surveying.**—Use of instruments; transit, stadia, compass and plane table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes, and departures; areas by planimeter; methods of plotting; survey and plot of sections of the campus by stadia, and transit and tape. Eight hours a day, three weeks, Summer School. Prerequisites: course 1, and Trigonometry. **3 s.h.** (E)

**11. Higher Surveying.**—Care and adjustment of instruments; topographical surveying; surveys and resurveys; laying out and division of land; public land system; further calculations, omitted measurements, areas by double longitude; quantities from profiles and cross sections. Prerequisite: course 10. **2 s.h.** (E) MR. WILLIAMS

**S110. Plane Surveying.**—Similar to course 10 but especially arranged for students in forestry. Eight hours a day, three weeks, Summer School. Prerequisites: Engineering Drawing and Trigonometry. **3 s.h.**

111. **Higher Surveying.**—For students in forestry. In addition to the ground covered in course 11, the field work includes a more thorough drill in the use of the Beaman stadia arc and the topographic abney level and trailer tape while more attention is given to the preparation of finished maps in the office work. Eight hours a day, three weeks, Summer School. Prerequisite: course 10 or 110. 3 s.h.

See the *Bulletin of the Summer School*.

112. **Field Astronomy.**—Determination of latitude, longitude, time, and azimuth by observation on sun and stars; use of precise transit, solar attachment, and sextant. Prerequisite: course 11. 2 s.h. (E) PROFESSOR BIRD

113-114. **Curves and Earthwork—Highways.**—Thorough drill in the calculation and laying out of simple, compound, and easement curves, widening of curves, vertical curves, setting slope stakes, ordinary earthwork, computations, and mass diagrams. Prerequisite: course 10. 4 s.h. (E)

ASSISTANT PROFESSOR WATSON

15. **Highway Engineering.**—Location, construction, and maintenance of roads and pavements; dust prevention; road economics. 3 s.h. (E)

PROFESSOR HALL

117. **Highway Engineering.**—Standard tests of stone, gravel, and bituminous materials. Prerequisite: course 15. 2 s.h. (E)

ASSISTANT PROFESSOR WATSON

118. **Materials of Engineering.**—Study and testing of materials other than those taken up in course 117. 2 or 3 s.h. (E)

MR. WILLIAMS

119-120. **Railroad Engineering.**—Differences between highway and railway practice affecting curves and earthwork. A. R. E. A. transition curve, frogs, switches, and crossings. Preliminary and location survey of a railway of sufficient length to secure familiarity with methods of actual practice. Paper location made with estimate of cost. Construction and maintenance of track and trackwork, economics, and operating conditions affecting location. Prerequisite: course 113-114. 5 s.h. (E)

ASSISTANT PROFESSOR WATSON

123-124. **Hydraulic Engineering.**—

(a) **Hydrology.**—Factors affecting precipitation, evaporation from land and water surfaces; relation of precipitation to run-off; estimating run-off; floods and flood flows. Stream gauging.

(b) **Public Water Supply.**—Quantity and quality of water required, hydraulics of wells, reservoirs, works for purification and distribution of water. Standard laboratory tests for chemical and bacteriological examination of water.

(c) **Sewerage.**—Sewerage systems, rainfall and storm water flow, sizes of storm and sanitary sewers, sewage disposal. Standard laboratory tests of sewage. Prerequisite: course 108. 8 s.h. (E)

PROFESSOR HALL

131. **Steel Structures—Stresses.**—Roofs, parallel chord bridges under all types of loads, inclined top chord bridges, including subdivided panels, wind bracing. Prerequisite: course 7. 4 s.h. (E)

PROFESSOR BIRD

132. **Steel Structures—Design.**—Built beams, plate girders, tension members, compression members, tension and compression members, end posts, stringers, floor beams, pins, plates, etc. Drafting. Prerequisites: courses 107 and 131. 4 s.h. (E)

PROFESSOR BIRD

133. **Reinforced Concrete.**—Theory and design of reinforced concrete beams, slabs, columns. Prerequisite: course 107. 3 s.h. (E)

PROFESSOR BIRD

**134. Masonry Structures.**—Ordinary foundations, dams, retaining walls, arches, piers, abutments. Prerequisites: courses 107 and 133. 3 s.h. (E)

PROFESSOR BIRD

**137-138. Seminar.**—Students are required to make reports and to talk on current engineering literature or on such other topics as may be assigned. 2 s.h. (E)

STAFF

**143-144. Projects in Civil Engineering.**—This course may be assigned by the Head of the Department to certain Seniors who have shown an aptitude for research in one distinct field of civil engineering, in which case it may be substituted for certain general civil engineering courses. 3-6 s.h. (E) Either semester.

STAFF

**E.240. Indeterminate Structures.**—Introductory course dealing with the application of theory of least work, deflection, and rotation to indeterminate stresses. Problems are solved analytically, graphically, and by deformer. Prerequisites: course 131 and ability to read French or German. 3 s.h. (E)

PROFESSOR BIRD

#### ELECTRICAL ENGINEERING

PROFESSOR SEELEY; ASSISTANT PROFESSOR MEIER;  
MESSRS. KRAYBILL AND VAIL

**51-52. Survey of Electrical Engineering.**—A general survey course covering the entire field of electrical engineering, intended to give the electrical engineering student a general preview of the subject as a whole. Required of Sophomores. Prerequisites: Freshmen mathematics and concurrent physics. 6 s.h. (E)

ASSISTANT PROFESSOR MEIER

**151. Theory of Direct Current Circuits.**—A course consisting of lectures and recitations covering the fundamental theory of direct current circuits. Two-hour class, two-hour computation. Prerequisites: course 51-52, Physics 57-58, Mathematics 59, 60. Mathematics 131 should be taken concurrently. 3 s.h. (E)

MR. VAIL

**152. Theory of Alternating Current Circuits.**—This course covers the algebra of vectors and complex quantities, non-sinusoidal waves, polyphase circuits, harmonics, and unbalanced three-phase circuits. Two-hour class, two-hour computation. Prerequisites: course 151, Mathematics 131. 3 s.h. (E)

MR. VAIL

**153-154. Principles of Electrical Engineering.**—An elementary course consisting of lectures, recitations, and laboratory covering the principles of direct and alternating current machinery, and their applications, designed especially for students in civil and mechanical engineering. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisite: Physics 57-58. 6 s.h. (E)

MESSRS. KRAYBILL AND VAIL

**155. Direct Current Machinery.**—A study of the principles which underlie the design and operation of all types of direct current machinery. Prerequisites: courses 151, 161-162. 2 s.h. (E)

ASSISTANT PROFESSOR MEIER

**156. Electric Transportation.**—Construction, operation, and uses of electric equipment in air, land, and sea transportation. Elective. Prerequisites: courses 151, 152, 161-162, or 153-154. 3 s.h. (E)

MR. KRAYBILL

**158. Electric-Power Stations.**—A course of lectures and recitations pertaining to the design, construction, and operation of electric power stations, both steam and hydraulic. Consideration of prime movers; generating machinery; switchboards; instruments, relays, and protective devices; operation and management; visits to neighboring plants. Prerequisites: courses 151, 152, and 187-188. 3 s.h. (E)

MR. VAIL

**159. Electric-Power Transmission.**—A course of lectures and recitations on the factors involved in the transmission of electrical energy over long distances and the use of hyperbolic functions in the solution of transmission line problems. Two-hour class, two-hour computation. Prerequisites: courses 151, 152. 3 s.h. (E)  
PROFESSOR SEELEY

**161-162. Electrical Circuits Laboratory.**—This course provides experimental verification of the theory developed in courses 151 and 152, and should be taken concurrently. Three hours per week. 2 s.h. (E)  
PROFESSOR SEELEY AND MR. VAIL

**163. Direct Current Machinery Laboratory.**—A study of the technique of testing direct current machines and a thorough analysis of their performance. Concurrent with course 155. 1 s.h. (E)  
ASSISTANT PROFESSOR MEIER AND MR. KRAYBILL

**165-166. Electrical Engineering Seminar.**—Seniors are required to present reports and dissertations on material appearing in current engineering literature. Juniors may participate, but without credit. Scheduled at night. 2 s.h. (E)  
STAFF

**257-258. Alternating Current Machinery.**—This course covers the theory underlying the design, construction, and operation of synchronous generators and motors, transformers, converters, single-phase and polyphase motors of all types. Two-hour class, three-hour laboratory. Prerequisites: courses 152, 155. 6 s.h. (E)  
ASSISTANT PROFESSOR MEIER

**261. Communication Engineering, Audio Frequency.**—An advanced course on the principles underlying voice-frequency communication covering nature of speech and sound, wave propagation over metallic circuits, filters; resistance, inductance, capacitance at audio frequencies; transmission characteristics of communication equipment. Two-hour class, three-hour laboratory. Prerequisites: courses 151, 152, Mathematics 131. 3 s.h. (E)  
PROFESSOR SEELEY

**262. Communication Engineering, Radio Frequency.**—An advanced course on the principles underlying radio communication, covering vacuum tubes, vacuum-tube circuits, oscillating and coupled circuits, antennae, radiation, transmission and reception. Three-hour class, three-hour laboratory. Prerequisite: course 261. 4 s.h. (E)  
PROFESSOR SEELEY

**263-264. Mathematical Analysis of Electrical Circuits.**—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering with an introduction to the use of operational calculus as applied to electrical circuits. Elective. Prerequisites: courses 151, 152 and Mathematics 131. 6 s.h. (E)  
PROFESSOR SEELEY

**E.265-266. Projects in Electrical Engineering.**—Project work may be undertaken only by those who show special aptitude, or who have had previous experience on some problem. The consent of the Chairman of the Department must be obtained before registering. Seniors only. Elective credit. 3-6 s.h. (E)  
PROFESSOR SEELEY AND STAFF

#### MECHANICAL ENGINEERING

PROFESSOR WILBUR; ASSISTANT PROFESSOR REED; MESSRS. CHAPMAN,  
PIGAGE, AND THEISS

**79. Constructive Processes.**—Recitation course covering fundamentals of metallography and general processes in foundry, forge, and machine shop. Trips to neighboring shops are included. Prerequisite: Chemistry 2. Open only to mechanical engineering students. 3 s.h. (E)  
MR. CHAPMAN



**82. Kinetics-Mechanism.**—Motions of particles; Newton's laws of motion and application to motions of rigid bodies, work, energy, impulse and momentum. Linkages, belts, cams, gears and trains of mechanism. Three lectures and three laboratory hours. Prerequisites: G. E. 2, G. E. 7, Mathematics 59. Corequisite: Mathematics 60. **4 s.h. (E)**

ASSISTANT PROFESSOR REED; MESSRS. CHAPMAN AND PIGAGE

**85. Steam Engineering.**—Elementary principles of boilers, engines, turbines, and auxiliaries; properties of steam, fuels, and combustion. For electrical engineering students. Prerequisite: Physics 18. **2 s.h. (E)**

MR. PIGAGE

**86. Steam Engineering.**—Elementary principles of boilers, steam engines, turbines, internal combustion engines, and auxiliaries; properties of steam, fuels, and combustion. Laboratory demonstrations of principles. Two recitations, three laboratory hours. Prerequisite: Physics 18. **3 s.h. (E)**

MESSRS. CHAPMAN, PIGAGE, AND THEISS

**170-171. Machine Design.**—Applications of principles of strength of materials and constructive processes to design of riveted and welded joints, pressure vessels and machine elements, followed by design of at least one complete machine. Two lectures, three laboratory hours. Prerequisites: G. E. 107, M. E. 79, M. E. 82. **6 s.h. (E)**

ASSISTANT PROFESSOR REED AND MR. CHAPMAN

**173-174. Seminar.**—Students are required to make reports and to talk on current engineering literature or on such topics as may be assigned. **2 s.h. (E)**

STAFF

**175-176. Projects in Mechanical Engineering.**—This course may be assigned by the Chairman of the Department to certain Seniors who express a desire for such work and who have shown aptitudes for research in one distinct field of mechanical engineering. Either semester. **3 s.h. (E)**

PROFESSOR WILBUR AND STAFF

**181-182. Heat Power Engineering.**—A short course in engineering thermodynamics followed by applications to power plant design. For civil and electrical engineering students. Prerequisites: M. E. 85, Mathematics 60. **6 s.h. (E)**

ASSISTANT PROFESSOR REED

**185. Hydraulics.**—Fluid statics; kinematics of fluid flow; application of fluid dynamics theory to flow through orifices, weirs, and pipes; general principles of centrifugal pumps and turbines. Prerequisite: course 82. **3 s.h. (E)**

PROFESSOR WILBUR AND MR. CHAPMAN

**186. Internal Combustion Engines.**—Principal cycles; fuels and fuel mixtures; effect of real mixtures on theoretical cycles; combustion; combustion and fuel injection. Thermodynamic analysis of engine performance. Modern developments in the internal combustion engine. Three recitations. Prerequisite: M. E. 187. **3 s.h. (E)**

PROFESSOR WILBUR

**187-188. Engineering Thermodynamics.**—A study of thermodynamic properties and processes of gases, vapor and gas-vapor mixtures; cycles; efficiencies and performance of steam-power plant equipment. Three recitations. Prerequisite: course 86 and Mathematics 60. **6 s.h. (E)**

PROFESSOR WILBUR AND MR. THEISS

**189-190. Junior Mechanical Engineering Laboratory.**—Open only to mechanical engineering students. Principles of steam and fuel calorimeters; gas analysis; oil testing; measurement of steam, air, and water flow; elementary steam engine and boiler tests. Three laboratory hours first semester, six hours second semester. Prerequisites: course 86 and course 187-188 concurrently. **3 s.h. (E)**

MR. THEISS

**191. Power Plant Calculations.**—Study of economic and engineering factors in developing steam power plants. Consideration of the performance of boilers, prime movers, condensers and various auxiliaries in various groupings as they affect the plant heat balance. Three recitations. Prerequisites: M. E. 187-188 or 181-182. 3 s.h. (E) PROFESSOR WILBUR

**192. Industrial Engineering.**—A study of the industrial growth and present tendencies of productive industries as concerns the engineer. Specific topics treated are: plant location; organization; production and cost controls, wage payment, etc. Seniors only. Three recitations. 3 s.h. (E) MR. PIGAGE

**193-194. Senior Mechanical Engineering Laboratory.**—Advanced engineering tests of performance and economy of steam engines, turbines, boilers and power plant accessories, internal combustion engines, heating and refrigerating equipment; heat balances and heat transfer. Six laboratory hours. Prerequisite: M. E. 190. Corequisites: M. E. 191, M. E. 195, M. E. 196. 4 s.h. (E) MR. THEISS

**195. Heating and Air Conditioning.**—Fundamentals of heating and air conditioning, determination of heat losses and gains, design of steam, hot water and warm air heating and air conditioning systems for homes, offices and industrial buildings. Prerequisites: M. E. 188 or M. E. 182. 3 s.h. (E) ASSISTANT PROFESSOR REED

**196. Refrigeration.**—Fundamentals of refrigerating systems and design, and applications in industry. Prerequisites: M. E. 188 or M. E. 182, and M. E. 190 or M. E. 200. 2 s.h. (E) ASSISTANT PROFESSOR REED

**198. Aeronautics.**—Aerodynamic principles applied to airfoils, propellers, and the complete airplane; dynamic loading and performance calculations. Prerequisites: courses 171 and 185. 3 s.h. (E) MR. CHAPMAN

**199-200. Junior Mechanical Engineering Laboratory.**—Open only to electrical and civil engineering students who have elected M. E. 181-182. Work covers use of various engineering measurement apparatus, flow of air, steam and water, with economy tests on steam engines and turbines, boiler and internal combustion engines. Three laboratory hours. Prerequisite: M. E. 85. (E) MR. THEISS

## GENERAL REGULATIONS

### TRINITY COLLEGE, WOMAN'S COLLEGE, AND COLLEGE OF ENGINEERING

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The academic year is divided into two semesters. The first semester of the academic year 1940-41 begins September 18; the second, February 1. Commencement is held on Monday after the first Sunday in June. Commencement Day, 1940, is June 3; 1941, June 2.

#### TIME OF ENTRANCE

Patrons of the University and students who intend to enter the Freshman Class are reminded that the placement tests are held at the opening of the first semester in September and that this is the proper time to enter. If an applicant for admission cannot come early in the year, he should wait, except in very unusual cases, until the opening of the next semester. It is important that all students be present on the first day of the session, for those who are late incur the penalties described above in this catalogue under the topic "Admission to College" and below under the subtopic "Course Cards." Students who enter after the beginning of the semester are marked absent in the work they have missed in the courses to which they are admitted, and these absences are counted as other absences from class.

#### MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission. Cards of admission must be presented at the Treasurer's Office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of \$5.00 for late registration. Students whose course cards have been approved in the spring in the manner provided below are given an opportunity during the summer to matriculate by mail for the first semester. No student without a matriculation card is admitted to any class.

#### COURSE CARDS

Members of the Freshman, Sophomore, and Junior classes are required to submit to the Dean, not later than the date of spring registration, cards showing their selection of courses for the following year. These cards must be approved by the Dean. After being approved, the cards must be filed for permanent record in the Dean's Office. Students in the Freshman, Sophomore, and Junior classes who do not select their courses

for the following year at the time appointed have to pay a fee of \$5.00 to the Treasurer of the University before their course cards may be approved in the fall. The same regulations apply for the second semester. Students whose course cards have been approved but who, for reasons not arising within the University, desire to make a change in the card approved have to pay to the Treasurer a fee of \$1.00 for each change made. No course may be elected later than two weeks after the opening of the semester.

If a student drops a course without permission from the Dean of the College, the grade for that course shall be recorded as "F."

If a student drops with permission a course in which he is failing at that time, the grade for that course shall be recorded as "F," unless in the judgment of the Dean, circumstances do not justify this penalty.

### EXAMINATIONS

Mid-year and final examinations are held in all subjects in January and May, respectively. The examination record combined with the record made in class constitutes the student's final grade.

### REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty:

Grades shall be reported so as to indicate one of four things:

(1) *Passed.* A grade "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students (with incomplete grades) who have not satisfied the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of \$3.00 to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused, and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades) who have not satisfied the requirements of the department concerned and

who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

#### EXPLANATION OF QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester-hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each semester-hour of credit. The grade "A" gives three quality-points for each semester-hour of credit; the grade "B" two quality-points; the grade "C" one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester-hour of failure. Credit for 122 quality-points, exclusive of those earned in physical education, is required for the degree of Bachelor of Arts or Bachelor of Science in all groups.

#### NUMBER OF HOURS OF CLASSWORK

No undergraduate student is allowed to take less than fourteen hours of classwork a week without special permission of the Dean.

No undergraduate student may take more than seventeen semester-hours of work in one semester, if he fails to make eighteen quality-points on the work of the preceding semester.

#### CLASS STANDING

For a student to rank as a Sophomore, he must have to his credit twenty-four semester-hours with an average grade of "C"; as a Junior, fifty-six semester-hours with an average grade of "C"; as a Senior, ninety semester-hours, with an average grade of "C."

#### SENIOR WORK

A student of the Senior Class, irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete his work of the Senior year with an average grade of "C" or better.

#### EXCLUSION FOR FAILURE

A student of the Freshman Class entering college for the first time is not permitted to remain in the University in the second semester unless he passes as much as six semester-hours of the work of the first semester; any other student is not permitted to remain in the University in the second semester unless he passes as much as nine semester-hours of work in the first semester.

A student of the Freshman Class is not permitted to re-enter in September, nor to enter Summer School, if he did not pass at least six semester-hours of work in the second semester of the previous year and



a total of eighteen semester-hours of work for the entire year; any other student is not permitted to re-enter in September, nor to enter the Summer School, if he did not pass at least nine semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year.

### STUDENTS TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester-hours with which they are credited, provided their grades warrant it.

### DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty:

1. Any Freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 53 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

3. Whenever the work of a student in any subject is satisfactory to an instructor except for gross errors in English, the instructor concerned may hand in a provisional grade only. This grade may not be recorded in the college files until the student shall have improved his work in composition to the satisfaction of the English Department. A list of such provisional grades, along with evidence of deficiencies, shall be furnished the English Department each term by the officers in charge of the grades, and a report shall be made by this department when the deficiencies shall have been removed.

4. All instructors are requested to advise their students each semester concerning these regulations.

### CANDIDATES FOR ACADEMIC DEGREES

1. A tentative list of all candidates for the Bachelor's degree shall be prepared under the supervision of the Dean of the College as early in the college year as possible, shall be read by him to the Faculty at its first regular meeting in October, shall be furnished in copy to each department of instruction for information and reference, and also shall be posted in copy on the official bulletin board of the University for the information of the students concerned.

2. Copies of a second such tentative list likewise shall be prepared, read, and distributed by April 15.

3. A final list of all candidates for the degree shall be read by the Dean to the Faculty at its first regular meeting in May and shall be adopted by the Faculty as the final list. After the adoption of this list no name may be added to it.

Students who during Summer School complete the requirements for a degree shall be classified for graduation as of the year following the Summer School in which the work was completed, and their name shall so appear in the catalogue of the University and on the Commencement Program.

### THE DEAN'S LIST

Students of the Junior and Senior classes who, at the mid-year or final examinations, have attained in Duke University an average of "B" in their courses of the half-year just closed and who have not received a grade of "F" in any course may be placed on the Dean's List for the succeeding half-year. The privilege of the Dean's List is also extended to eligible members of the Sophomore Class during their second semester.

The name of a student may be withdrawn from the List at any time by the Dean, if the student fails to maintain a satisfactory standard of scholarship and conduct.

Students whose names are on the Dean's List will not be subject to the general regulations of the University governing class attendance. This privilege, however, may not be exercised in courses primarily open to Freshmen. Furthermore, such students are required to be present at the meeting of classes immediately before and after any holiday, unless they are excused by the Dean of the College.

If for any reason a student is removed from the Dean's List during, or at the close of, the second semester of his Junior year, his name may not be reinstated on the List.

### CLASS ATTENDANCE AND ABSENCES

Regular and punctual attendance in classwork is required of all students not on the Dean's List.

The purpose of the following rules is to provide for those absences made necessary by illness and all other emergencies. Students should reserve these absences for such occasions.

If a student incurs during a semester more than five absences from a three-hours course of study he is carrying (the number of absences allowed in any other course being proportionate to the credit hours the course carries), he shall suffer the loss of quality-points as follows: for the first absence in excess of the number allowed, one; for the second, two; for each absence thereafter, three. Absences due to prolonged illness or to authorized representation of the University in a student activity are excused without effect on grades. However, if other absences, unless unavoidable, are incurred after such excused absences, they will cause the loss of quality-points in accordance with the penalty as defined above.

If the total number of a student's absences in all courses for which he is registered during a single semester amounts to one more than the total number allowed, except under the provisions of the preceding paragraph, his total credit for that semester is reduced by one hour, and for each additional five absences a reduction of one hour of credit is made.

As soon as the number of absences in a single semester course, exclusive of the absences due to prolonged illness and authorized representation of the University, exceeds three times the number of credit hours the course carries, registration in that course is cancelled.

A student is counted absent from meetings of a class held before he matriculates at the beginning of a semester.

All consecutive absences from the University, before or after any holiday, shall be counted as triple absences.

In addition, a student for excess absences may, at the discretion of the Dean, be put on probation or dropped from the College.

Weekly reports of all absences of students from class are made by each instructor and are filed in the office of the Dean. A permanent record of the attendance of each student is kept and becomes a part of his general college record.

The instructor has no authority to excuse a student from class attendance, and it is his duty to report all absences, for whatever cause, to the Dean's Office at the end of each week.

### **ASSEMBLY AND CLASS MEETINGS**

#### **TRINITY COLLEGE AND COLLEGE OF ENGINEERING**

There shall be held on the first Thursday of each month of the college year in Page Auditorium, from 12:30 P.M. to 12:50 P.M., an assembly of all Seniors, Juniors, Sophomores and Advanced Freshmen of Trinity College, and at this period of the day separate meetings of these four groups on the second, third, and fourth Mondays, Tuesdays, or Thursdays of each month. There shall be a class meeting of the Freshman Class on each Saturday of every month at the time named above. The Engineering assemblies are held on the first Wednesday of each month from 12:30 P.M. to 12:50 P.M.

Attendance upon all of these meetings is compulsory for all students involved. Any student incurring in a semester a total of more than four absences from them automatically excludes himself from college.

#### **WOMAN'S COLLEGE**

An assembly is held each Tuesday, Wednesday, and Thursday in the Woman's College Auditorium. The hour is 12:30 P.M. on Tuesday, 12:40 P.M. on Wednesday and Thursday. Freshmen and transfer Sophomores are required to attend each day, Sophomores on Wednesday and Thursday, and Juniors and Seniors on Thursday. A meeting of the Freshman Class is held each Monday at the assembly hour, and the other classes meet at appointed times.

Attendance upon all of these meetings is compulsory for all students involved.

**SCHOLASTIC REGULATIONS FOR ATHLETIC AND  
OTHER ORGANIZATIONS**

The following regulations have been adopted by the Faculty:

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the opinion of the Dean, he is not doing satisfactorily his current work.

Duke University is a member of the Southern (Athletic) Conference and observes the following scholastic requirement of that Conference:

"The scholastic requirement for eligibility to participate in varsity intercollegiate sports shall be for 1940-41 the passing by the applicant of a minimum of twenty-one semester-hours or thirty quarter-hours of the work of his immediately preceding year in college; thereafter the passing of twenty-four semester-hours or thirty-six quarter-hours of the said work; with the proviso that graduate students and students in the schools of law and medicine become scholastically eligible on the certificate of the deans of their schools."

**THE ATHLETIC COUNCIL**

The Board of Trustees, at its regular annual meeting in June, 1907, created an Athletic Council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This committee alone has the responsibility of enforcing the scholastic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed elsewhere in this catalogue.

The Executive Committee of the Athletic Council is composed of the Chairman of the Faculty Committee on Athletics, and one other Faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and toward student bodies of other educational institutions; through athletic sports to help cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the

Council recommends to the President of the University persons to serve as Graduate Manager of Athletics and as coaches in the various sports. However, the election of such persons rests solely with the Trustees of the University or the Executive Committee of the University, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the Treasurer of the University. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

### CONDUCT OF STUDENTS

The University expects of its students loyal and hearty co-operation in developing and maintaining high standards of conduct as well as of scholarship. The University therefore reserves the right, and matriculation by the student is a concession of this right, to ask the withdrawal of any student whose conduct at any time is not satisfactory to the University, even though no specific charge be made against the student.

### ADMINISTRATION OF DISCIPLINE

General oversight of the conduct of students and the administering of discipline are vested in the Dean of the University. The duty of immediate supervision, guidance, and control of the students in each college is entrusted to the Dean of that College. However, through the expressed willingness of the students at the University to assume the responsibility of maintaining high standards of morals and honor at all times, the student body has properly become in a great degree self-governing in this respect. Two councils, one of men and the other of women, each composed of carefully chosen and duly elected representatives of the student body, exercise the authority granted the students to investigate all cases of misconduct, as well as all other cases of violation of proper student standards and traditions and to make recommendations of penalties based on their findings. Occasions seldom occur where such recommendations are not accepted and enforced.

The student councils have been of great help to the administrative authorities of the University. They not merely exercise police authority for restraining and punishing evildoers but also exert a guiding and stimulating influence for the promotion of high ideals of conduct and student relationships.

### REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Council on Public Lectures. All dates and programs must be approved by this council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.



(1) The Council on Public Lectures shall provide each year an official calendar.

(2) All public occasions held on either the East or West University Campus are listed for the Weekly Calendar of Duke University in the office of the Department of Public Relations and Alumni Affairs in the West Campus Union. This calendar appears each Saturday, and such notices must be received by 10:00 A.M. on the Friday preceding.

Social or other events held in the West Campus Union must be listed in the office of the Director of Public Relations and Alumni Affairs, and permission must be secured for such social use of the public rooms in the building.

### REPORTS

Reports of the class attendance records and of the proficiency of each student in studies are sent to his parents or guardians after the examinations at the end of each semester. For Freshmen, midsemester reports are made.

### HEALTH AND PHYSICAL EDUCATION

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

### MEDICAL CARE

With the exceptions noted below, full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of \$5.00 payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University Physician with the co-operation of the Staffs of the Infirmaries (one on each campus) and the University Hospital. It includes hospitalization (limited to thirty days), medical and surgical care, drugs, dressings, X-ray work, and ward, but not special, nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic and pre-existing conditions, such as diseased tonsils, hernias, elective surgery, chronic skin conditions, endocrine disturbances, etc., or accidents or illnesses occurring during vacations or while off the campus, are not included in this service. The cost of any necessary braces and orthopaedic appliances, as well as of special nursing, must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have the attention of the Director at his two daily visits to the Infirmaries,

which have day and night nurses on duty. Students developing serious conditions are promptly transferred from the Infirmaries to the University Hospital, where they come under the care of the Staff of the Hospital.

A questionnaire is sent out from the office of the Director of Student Health in the spring to all prospective students, advising certain medical and surgical care by their home physician or surgeon, such as the giving of typhoid or smallpox vaccine, removal of diseased tonsils, correction of errors of refraction, repair of a hernia, or removal of a chronic appendix. Important time is frequently lost in correcting these conditions after entrance into college, and the cost for this work must be borne by the student.

When the student comes to the University, he is given a careful physical examination. Any physical defects are recorded along with the record of the questionnaire from the family physician. All students are requested to be successfully vaccinated against smallpox before admission to the University. It is urgently advised that they take typhoid vaccine if they have not done so within three years.

#### **PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING**

The University requires all students to engage in some type of physical activity for two years or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation. The aims of this work are to improve body control and strength through big muscle activities, to stimulate the development of mental and physical alertness, to establish habits of regular exercise, and to give training and experience in various kinds of recreational sports that will be indulged in after the student graduates from the University.

Intramural sports are fostered and promoted in all lines of athletic activity. Meets, tournaments, and leagues are seasonally organized in the different sports. All students in the University are eligible to enjoy the intramural privileges, provided they comply with the intramural rulings. Participation in these activities is entirely voluntary, but is very popular because it provides an opportunity for every man to enter into competition and recreation in those sports which he enjoys most.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative Freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, lacrosse, wrestling, tennis, and golf.

#### **WOMAN'S COLLEGE**

The physical education department aims to give all students an appreciation of the value of activity for general physical well-being, skill in one or more activities which can be enjoyed as recreation after college,

a well-developed and well-coördinated body, and a knowledge of good posture and efficient handling of the body in everyday activities.

To this end, students are allowed to choose from a large number of activities including outdoor individual, dual, and team sports, several types of dancing, swimming, and gymnastics. All Freshmen are expected to take body mechanics in the winter and each student must elect a rhythm, one team sport and two individual or dual sports sometime during the three years of required physical education.

A medical and physical examination is required of each student upon entrance, and follow-up examinations are used as a basis for determining the type of physical exercise a student should take and any corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities.

In addition to the required work in physical education, the Dance Club, the Swimming Club, and the Woman's Athletic Association give opportunities for all students to take part in the types of intramural activities most interesting to them. The swimming pool, tennis courts, and other athletic equipment are available to all students for use at specified times.

#### PHYSICAL EDUCATION AND RECREATION FEES

In order to meet certain hygienic aspects of physical education and intramural athletics the University has made available for all students, in addition to facilities for physical activity and recreation, the following equipment and services:

1. (a) Men. A regulation uniform: shirt, trunks, supporter, socks, sweat clothes, and towel.  
(b) Women. Gym suit, dance costume, bathing suit, warm-up suit.
2. Provision for locker and handling of uniform.
3. The laundering of uniform and towel as needed.

The privileges and services listed above are available to all students upon payment of the Recreation Facilities and Equipment Fee, so long as they comply with rules and regulations established for the care and handling of same. Students enrolled in required physical education courses have been assessed an additional fee (see Laboratory and Materials Fees, pages 155 and 156). This fee is necessary in order to make more equitable the maintenance of locker system and usage of uniform.

#### PUBLICATIONS COUNCIL

The student publications of the University are under the control of a council that was established in 1924 and reorganized by the Executive Committee of the University in 1935, and is constituted as follows: three (3) members from the University Staff appointed by the President of the University; two (2) members from the alumni appointed by the President of the University; six (6) men from the Junior and Senior classes, elected by the students in Trinity College; four (4) women from the

Junior and Senior classes, elected by the students in the Woman's College; and three (3) editors and three (3) managers of student publications, ex officio members without any voting power. With the advice of the Council, the President of the University appoints each year for each publication an advisory committee of three (3) members from the Staff of the University.

No student publication can be started at the University without the approval of the Council.

#### **RELIGIOUS EXERCISES**

Chapel exercises are conducted on Tuesday, Wednesday, and Friday throughout the academic year at 12:30 P.M. on the campus for men; and, on the campus for women, at 12:30 P.M. on Tuesday and 12:40 P.M. on Wednesday and Thursday. Preaching services are held on Sunday at 11:00 A.M. in the University Chapel. Organ recitals are given on Sunday afternoons. In the summer carillon and organ recitals are given twice a week.

## FEES AND EXPENSES

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The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

### GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
*Recreation Facilities and Equipment Fee, per semester.....	1.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable annually at the beginning of the second semester .....	3.00
Publication Fee:	
First semester .....	2.50
Second semester .....	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00

### LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 55, 101, 104, 202, 204, 221, 255, and 256.....	\$ 2.50
Botany 51, 103, 151, 156, 203, 216, and 252.....	5.00
Forest Botany 224 and 253.....	2.50
**Chemistry 1, 2, 61, 70, 81, 131, 132, 142, 153, 154, 215, 216, 261, and 262	7.00
Chemistry 151, 152, 241, 242, 253, and 254.....	8.50
Education 1, 58, 68, and 101.....	1.00
Education 112, 115, 116, 122, and 131.....	7.50
Education 208 (for testing materials in lieu of text).....	2.50
Engineering	
Civil S10 and S110—See <i>Summer School Bulletin</i> .	
Civil 11, 107, 111, 112, 113, 114, 117, 118, 119, 123, 124, 143, 144, and 240 .....	2.00
Electrical 153, 154, 161, 162, 163, 258, 261, 262.....	2.00
Mechanical 86, 189, 190, 193, 194, 199, and 200.....	2.50
Forestry 224, 253, 254, 259, 260, 264, 357a, and 358a.....	2.50
Forestry 261, 351, 352, 354, 357b, 358b.....	\$2.50 to 5.00
Geology 51, 52, 101, 151, and 152.....	2.50
Geology 102 .....	5.00
Field trip in Geology 51-52 and 101-102 at cost.	

\* See Physical Education and Intercollegiate Sports, pages 152-153.

\*\* When the laboratory in Chemistry 153-154 supplements that of another course and is taken simultaneously with such course no fee is charged with Chemistry 153-154.



History 91 and 92.....	3.00
No texts are required in these courses, but a fee of \$3.00 is charged, and books are placed in the Library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
*Physical Education, per semester (\$.50 per s.h.), for men.....	1.50
*Physical Education, per semester (\$.50 per s.h.), for women.....	1.00
Physics 1 and 2.....	2.00
Physics 57, 58, 62, 104, 205, 206, 215, 216, 217, 218, and 219.....	3.00
Physics 51, 52, and 106.....	5.00
Zoology, 1, 2, 92, 161, 174, 204, 219, 220, 222, 306, 324, and 343.....	3.00
Zoology 53, 151, 156, 224, 229, 303, and 321.....	5.00
Zoology, all other advanced laboratory courses.....	3.00

### TEACHERS TAKING COLLEGE COURSES

Teachers in near-by schools, taking one or two courses, are required to pay a registration fee of \$5.00 each semester and a tuition fee of \$3.00 per semester-hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

### ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room-rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$574.50 to \$639.50. Books and laundry are not included in these figures.

### LIVING ACCOMMODATIONS FOR MEN

Single room, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus .....	\$75.00
Double room, per student, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus.....	62.50
Double room, per student, per semester—Southgate Hall, East Campus	50.00
Double room, per student, per semester—Epworth Hall, East Campus	30.00

There are three groups of resident houses designated as Craven, Crowell, and Kilgo Quadrangles on the West Campus. The rooms are single, double, or arranged in suites of two rooms for four students. There are thirty-one houses within the three groups designated by the letters of the alphabet.

There are also two dormitories on the East Campus used for men—Southgate and Epworth Halls. All these rooms are equipped for two persons. Students in the College of Engineering are expected to live in either Southgate or Epworth, which are located near the Engineering College. Room reservation fees and applications for room assignments should be addressed to the Director in Business Division, East Campus.

\* See Physical Education and Intercollegiate Sports, pages 152-153.

Kilgo Quadrangle (eight houses) has been set aside as a Freshman Dormitory. A portion of Southgate Hall has also been reserved for Freshmen studying engineering. All Freshmen, except those living at home with their parents, are required to room in one of these dormitories.

Rooms are reserved only for applicants who have been officially accepted by the University, upon application to the Director in the Business Division, Duke Station, Durham, North Carolina. A reservation fee of \$25.00 must accompany the application for a room. The reservation fee is deducted from the room charges at the time of registration for the fall semester. An applicant who is accepted and has a room reserved is not entitled to a refund of the reservation fee unless the request is made on or before August 1.

A resident student in order to retain his room for the succeeding year is requested to make application accompanied by a reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division. All rooms which have not been reserved on or before May 15 will be considered vacant for the succeeding year and will be reserved in the order in which applications are made.

Rooms are rented for no shorter period than one semester, or in the case of a medical student, one quarter, unless by special arrangement with the Director in the Business Division. A period of occupancy other than a semester or quarter and without special arrangement will be charged at a minimum rate of \$1.00 each day.

The authorities of Duke University do not assume the responsibility of selecting and assigning roommates, though they will gladly render any assistance possible.

### DORMITORY REGULATIONS

Duke University is particularly eager that its students shall have the best dormitory life to be found in any institution, and to encourage this has provided buildings and equipment which are not surpassed. The Institution asks and believes that in return each student will respond to this effort by arranging his personal belongings in an orderly manner, and by caring for the buildings and furniture as he would do in the home of a friend. The following regulations are offered as a guide and a reminder that care is desired.

1. The student will be held responsible for any damage to the room or furnishings during the rental period, and will pay for all damages caused by his neglect, misuse or abuse of any part of the University property. Inspections will be made throughout the college year to observe the condition of the rooms and to advise students concerning the care of rooms, if necessary.

2. Maids will prepare the rooms daily except Sunday, the service beginning promptly at 8:00 o'clock A.M. and ceasing at 1:00 o'clock P.M., thereby giving the student complete use of his room during the afternoon.

3. University furniture or furnishings must not be removed from the room in which they have been placed by the University.

4. Electric wiring, door locks, window screens, steam or water lines should not be changed or added, since the University supervises and makes such changes as are necessary and advisable.

5. Pictures, pennants, clippings should be hung from the picture moulding and not tacked or pasted on walls or woodwork.

6. Each student is expected to supply necessary sheets, blankets, pillows, rugs and curtains. Furniture, beds and mattresses (39" x 74"), tables, chairs, dressers, mirrors, and window shades are furnished by the University.

7. All trunks and heavy luggage will be stored in the trunk rooms. Janitors will remove the trunks from the hallways to the storage rooms when they are unpacked.

8. The exchange of rooms or keys should be arranged for at the office. Any exchanges made otherwise will subject the participant to charges for both rooms.

9. The use or possession of intoxicating liquors, wines or beer, and gambling in any manner in any of the buildings or on the grounds of Duke University are forbidden.

10. Animals shall not be kept in the dormitories.

11. Women are permitted in the dormitories only when accompanied by the University Hostess.

12. The use of dormitory rooms as a sales office or storeroom, or the solicitation for sales or gifts, within the buildings or on the grounds is prohibited except by appointees of the University.

### LIVING ACCOMMODATIONS FOR WOMEN

The Woman's College campus, known as the East Campus, is situated about a mile and a quarter from the West Campus, with a private road connecting the two.

*Houses*—The seven residence houses on the East Campus are Alspaugh, Aycock, Bassett, Joseph G. Brown, Giles, Jarvis, and Pegram. A plan of the houses will be sent upon request to the Director in the Business Division, College Station, Durham, North Carolina. Each house has a resident head of house and paging system for announcing visitors.

*Rooms*—All questions concerning rooms should be addressed to the Director in the Business Division. The students' rooms are single, double, or arranged in suites of two rooms for two students.

*Room Furnishings*—Rooms are supplied with all necessary furniture. Curtains, towels, sheets, pillow-slips, blankets, and heavy bed covering, etc., are furnished by the students. Sash curtains of a standard type are required and can be bought at the College Store. Draperies, small scatter rugs, and study lamps can be brought from home or bought at reasonable prices from the College Store or in the city. Large rugs and heavy overstuffed furniture may not be brought into the dormitories.

#### *Room Rent*—

Single room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	\$87.50
Double room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	62.50
Single room, per student, per semester, Aycock House.....	75.00
Double room, per student, per semester, Aycock House.....	50.00

*Room Reservation*—A room reservation fee of \$25.00 is required before any room reservation can be made for new or returning students. This fee is deducted from the room charges at the time of registration for the fall semester. Applicants for admission are requested not to send the room reservation fee until notified of acceptance. Those who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before July 15.

No room assignments will be made for new students until they have been officially accepted by the Council on Admissions. The room reservation fee of \$25.00 is payable immediately upon notification of acceptance by the Council on Admissions. If room reservation fee has not been received within ten days after notification of acceptance by the Council on Admissions, the admission will be cancelled.

Details relative to the signing of rooms by resident students will be posted on dormitory bulletin boards about April 15. Resident students have the right to retain their rooms for ensuing year or to sign for new ones in the order of their class beginning with the Seniors. The new students are then assigned the remaining rooms, and in so far as possible, the type of room which they prefer. The University is responsible for the fall semester only for securing roommates for new students desiring double rooms. After a student has been a resident for one semester, the responsibility for securing and keeping a roommate is transferred to the student. If a student occupying a double room does not have a roommate by the date posted, approximately two weeks after the beginning of the semester, she will be required to pay double rent. The University is glad to co-operate in assisting the student to find a roommate.

When a room is once engaged by a student no change will be permitted except with the consent of the Director in the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. Rooms are rented for no shorter period than one semester. When a student leaves school before the end of the semester, the charge is \$1.00 per day unless the total charge on this basis is in excess of the room rent for the semester. All undergraduates who are not residents of Durham are required to live in the dormitories unless they are living with their parents or near relatives. An undergraduate woman who is over twenty-one years of age and who wishes to live in the city may make special arrangements with the Dean. Provision is made for graduate students to live on the campus.

No visitors are permitted in any sections of the dormitories which are occupied by women except by permission of the office of the Head of the House. Merchandising, solicitation, or advertising of any type is strictly forbidden within the dormitories.

### BOARDING ACCOMMODATIONS

*Trinity College, West Campus.*—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barbershop, and all publication staff offices.

In addition to the Union dining halls, the Coffee Shop is operated for the convenience of students and visitors.

*Woman's College, East Campus.*—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman is permitted to board elsewhere than at this Union. Board is \$112.50 per semester.

Because of the large number of those served in the Union dining halls, it is not possible to arrange special diets for individual students. Special diet for the sick is served in the Infirmary.

The Union includes a Faculty dining room, a lounge, and other rooms for various student activities.

#### LAWS REGARDING PAYMENTS

The Executive Committee of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend or in any way alter these regulations.

2. Matriculation and tuition fees are never refunded.

3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.

4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.

5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parents or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties, if his bills are not paid on the dates advertised.

#### TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of \$1.00 is made for each additional copy.



## SCHOLARSHIPS, LOANS, AND EMPLOYMENT AID

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Through a committee of the Faculty appointed by the President to deal with problems of rendering financial assistance to needy and worthy undergraduates of Trinity College, the Woman's College, and the College of Engineering, Duke University annually awards available scholarships, administers loan funds, and supervises student employment.

All student loan funds are kept separate and distinct from all other endowments or holdings of the University. Though some donors or their representatives may and do suggest terms and beneficiaries, no loan is made without the approval and consent of the Committee.

The scholarship funds are, in the main, endowed, though a limited number, and notably the honorary awards in recognition of scholastic merit, are financed through current funds of the University. As with the loan funds, donors of endowed scholarships may, and frequently do, make stipulated terms of the conditions of the award; but in all cases the responsible committee of the University reserves the right to approve and announce all awards. All scholarship endowments are held in trust by the University.

With few exceptions, loan and scholarship awards are limited to the amount of the tuition charges.

Prospective and old students must, if they will stop to consider, realize that no college or university has scholarship, loan, or job resources sufficient to meet all, or even a large per cent. of the requests made. A student, new or old, should realize that before he seeks aid of any institution, his need should be imperative. A student who accepts aid from a college or university when he could have done without it, unwittingly deprives some other would-be student, probably equally as worthy and more needy, of a chance to secure higher education at the institution.

Before applying to any college for aid a student should first have exhausted all means of aid from his parents, kinsfolk, interested friends, and commercial or civic agencies in his home locality.

A list of undergraduate scholarships and loans, and the procedure and terms of making application, are set forth below.

### SCHOLARSHIP FUNDS

*The Banks-Bradshaw Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Herbert J. Bass Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Christian Education Scholarship* is based on the annual earnings from a \$6,000 scholarship endowment.

*The E. M. Cole Scholarships* are based on the annual earnings from a \$10,000 scholarship endowment. Awards are limited to undergraduate ministerial students.

*The W. L. Cuninggim Scholarship* is based on the annual earnings from a \$7,500 scholarship endowment. Preference, at the request of the donors, is given to students entering Duke University from the Methodist Orphanage of Raleigh, North Carolina.

*The Arthur Ellis Flowers Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Colonel George W. Flowers Scholarship* is based on the annual earnings from a \$5,000 scholarship endowment.

*The P. Huber Hanes, Jr., Scholarship* is based on the annual earnings from a \$5,000 scholarship endowment.

*The B. D. Heath Scholarship* is based on the annual earnings from a \$2,400 scholarship endowment. Preference is given to students from Union County, North Carolina.

*The H. H. Jordan Memorial Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Judd Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment. In making this award the donor or a representative of his family is to be consulted.

*The Frank S. Lambeth Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The O. G. B. McMullan Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The W. H. Moore Scholarship* is based on the annual earnings from a \$1,200 scholarship endowment.

*The J. A. Odell Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The J. M. Odell Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The E. J. Parrish Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The John T. Ring Scholarship* is based on the annual earnings from a \$1,200 scholarship endowment.

*The George W. Watts Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The C. E. Weatherby Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

A friend of Duke University has set up a scholarship fund for the use of students preferably from Durham and Perquimans counties of North Carolina. Descendants of the donor, irrespective of their place of residence, are to be given consideration for such awards. The donor has designated that a representative of his family should be consulted in the making of awards. There are at present fifteen of these scholarships. They have no fixed value. Circumstances in all cases determine the amounts of the awards; usually, however, these scholarships are sufficient in amount to cover tuition charges.

A friend of Duke University has set up a scholarship fund the income of which is for the use of students preferably from the states of North Carolina, South Carolina, and Louisiana.

*The Angier B. Duke Memorial, Incorporated*, awards through the Scholarship Committee of Duke University four scholarships with an annual value of \$250 each to undergraduate students. These scholarships are awarded as follows: one on the basis of merit and necessity to an accredited high or preparatory school graduate entering the Freshman Class of Duke University; and one each to a member of the Sophomore, Junior, and Senior classes on the basis of merit, necessity and worthy individual contributions to university life. This fund is primarily for student loan purposes and is more fully described hereafter under "Loan Funds."

Fifteen honorary scholarships paying tuition are annually awarded to undergraduates. Five are held by members of the Sophomore Class, five by members of the Junior Class, and five by members of the Senior Class. Sophomore scholarships are awarded on the basis of scholastic work of the Freshman year; Junior scholarships on the basis of the scholastic work of the Sophomore year, and Senior scholarships on the basis of the scholastic work of the Junior year. Scholastic attainments and character are the sole bases of these awards.

Where funds are available and the need justifies, Duke University may award in any given year undergraduate scholarships partly or wholly covering tuition charges. Not in excess of fifty such awards shall be made.

Application for scholarship aid should be made to the Scholarship Committee, Secretary's Office, Duke University Station.

An application for a scholarship may not be made formally by a prospective student until application for admission has been made, all necessary credentials presented and notification of acceptance given.

### LOAN FUNDS

*The Angier B. Duke Memorial, Incorporated*, administers through an advisory committee of the officers of the University, a loan fund for students of the University. Only the earnings of this fund are available for loan purposes.

The Committee of University officers also administers other endowed loan funds established for the benefit of students of Duke University. The amount available each year depends on the annual earnings and on the amount of loans repaid.

Although the total amount of loan aid is considerable, the calls for assistance far exceed the amount available for lending purposes each year. The Committee in charge of these funds, therefore, reserves the right to select from the applicants those who in character, personality, general promise, scholastic merit, and degree of financial need, are most deserving of consideration.

The loan funds are administered in accordance with the following regulations:

1. No loan shall be made to a student who violates any of the regulations of the University or whose classwork is not satisfactory to the Faculty.

2. As a general policy a student is not potentially eligible for loan assistance until he has been in residence at least one semester and until those responsible for the administration of loan funds have had an opportunity to acquaint themselves with the worthiness and the need involved in any particular case.

3. Loans will be made only to students who are taking approved courses of study that lead to a degree, and all loans must be arranged for not later than one week after the beginning of a semester.

4. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the Treasurer of the University.

5. No loan will be made to defray any other expenses than those incurred during the academic year for tuition, for matriculation, or for room-rent.

6. Interest at a rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

7. Applications for loans should be made to the Loan Committee, Secretary's Office, Duke University Station. A formal application for loan assistance may be made only on blanks furnished in the Secretary's Office at the time of registration. The granting or withholding of a loan is a matter entirely within the discretion of the Loan Committee. A student is expected to use all other possible means of securing financial assistance before applying for aid from the Loan Fund.

#### EMPLOYMENT

A number of students each year secure part-time employment on the University campus and in the city. Those in need of such employment may apply to the Secretary of the Committee on Student Aid, Secretary's Office, Duke University. No definite number of such places can be promised. Available places will be assigned in accordance with the merit and the need of the applicants.

## HONORS AND PRIZES

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To be eligible for Honors a student must earn during the year a credit of not less than thirty semester-hours. Students in the Freshman, Sophomore, and Junior classes who earn an average of at least two and one-half quality-points per semester-hour are given Honors. All semester-hours on which a student receives a grade are counted in the determination of Honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction is conferred under the following rules:

Students who have completed a minimum of ninety semester-hours in Duke University are eligible for general Honors at graduation. Those who earn an average of at least two and one-half quality-points per semester-hour are recommended for a degree *magna cum laude*. Those who earn an average of at least two and three-fourths quality-points per semester-hour are recommended for a degree of *summa cum laude*. All semester-hours taken in Duke University on which a student receives a grade are counted in the determination of Honors.

## MEDALS AND PRIZES

*The Wiley Gray Medal* was established by the late Robert T. Gray, Esq., of Raleigh, North Carolina, to be awarded annually in memory of his brother. It is given for the graduating oration that shall be, in the opinion of a committee, the best, with respect to both declamation and composition.

*The Debate Council* authorizes the awarding of medals to members of the graduating class who have represented the University in at least two intercollegiate debates. The medals are given by the local chapter of the Tau Kappa Alpha Fraternity.

*The Southern History Prize* is awarded each year for the best essay dealing with a subject relating to Southern history. The prize is \$25 in cash donated by an anonymous friend of the University. The competition for the prize is conducted according to the regulations adopted by the Trinity College Historical Society.

*The Robert E. Lee Prize* is the gift of the Reverend A. W. Plyler, of the Class of 1892, and Mrs. Plyler. The sum of \$50 is awarded annually at Commencement, preferably to that member of the Senior Class who in character and conduct, in scholarship and athletic achievement, in manly virtues and the capacity for leadership, has most nearly realized the standard of the ideal student. The Dean of the College, the Graduate Manager of Athletics, and the President of the Student Council constitute a committee to draft and adopt regulations governing the award.

*The Dr. R. C. Parker Physics Prize.* Dr. R. C. Parker gave to Duke University a silver cup of Chinese manufacture to be used for the encouragement of scholarship in physics. The award is made annually by



a committee from the Department of Physics, acting with the President of the University, to that student of Physics 1-2 who by the end of the academic year is judged to have shown the greatest promise as a student of physics. The winner is chosen not only for his mathematical grades but also for his industry, growth in power of reasoning, originality of point of view, and skill in experimentation. The name of the winner is engraved on the cup which is given into his possession, subject to certain necessary regulations, until the next award is made.

*The Iota Gamma Pi Scientific Prize.* The Iota Gamma Pi Science Fraternity offers an annual prize of \$25 to a member of the Junior Class, majoring in science, who is judged to be the leading student in the scientific courses of the University. The fraternity submits to the judges a list of students eligible for the prize. The committee of award is composed of the Dean of the University and one member each from the Departments of Geology, Botany, Zoology, Chemistry, Physics, and Engineering. The departments concerned choose their own representatives on this committee. The award is made on the following basis: quality of scientific work, 50 points; personality and general ability, 30 points; quality of work in departments other than scientific, 20 points. The president of the fraternity publicly awards the prize in chapel during the second week in May.

*Alpha Kappa Psi Medallion.* This prize is offered each year to the member of the graduating class who makes the highest record in economics and business administration during his career at the University.

*The Willis Smith Prize.* Mr. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of Law School work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

*Julia Dale Prize in Mathematics.* This is a prize of books given annually to the undergraduate who shows the greatest proficiency in the study of the calculus.

*The Milmore Prize,* consisting of one year's subscription to the *Electrical World*, is awarded each year to that student from North or South Carolina graduating in the Department of Electrical Engineering, who, in the opinion of the Faculty of that department and as shown by his grades, has made the most progress in electrical engineering during his last year in college.

*The Pegram Chemistry Club Prize* will be awarded in the spring of each year for scholarship in chemistry, physics and mathematics. The prize is to consist of one year junior membership in the American Chemical Society, and a one year subscription to either the *Journal of the American Chemical Society*, or to *Industrial and Engineering Chemistry*. To qualify for this prize the student must (1) be enrolled as an undergraduate of Duke University, (2) be taking or have taken a fourth year

chemistry course. The winner of this prize is to be selected by a committee consisting of at least one faculty member and at least two members of the Pegram Chemistry Club; the selection is to be based on the quality-point average for all courses taken in chemistry, physics, and mathematics. In case of a tie equal awards will be given.

## STUDENT ORGANIZATIONS AND ACTIVITIES

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*The Men's Association of Duke University* comprises all men students in Trinity College. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of nine members: three executive officers, two representatives from the Senior Class, two from the Junior Class, one from the Sophomore Class, and one from Southgate Dormitory.

*The Women's Student Government Association* is similar in character to the men's association. Its council is composed of the officers of the association and ex officio of the Y.W.C.A. president and an undergraduate representative.

*The Young Men's Christian Association* and the *Young Women's Christian Association* are branches of the national student Christian Associations. Each body aims to enrich not only the religious life of its members as individuals but also to promote religious group activity. Delegates are sent each year to summer conferences, state conventions, interstate conventions, and the state Bible and missionary institutes. Every year a series of special religious services is held. The Open Forum Bible Class is conducted under the auspices of the Church Board.

Other organizations and activities include the following:

Bench and Bar Association (Pre-Legal Undergraduates); Classical Club; Debate Council (Men); Debating Club (Women); Duke Flying Club; Duke University Church (Interdenominational); Duke University Pre-Medical Society (Undergraduate Medical Group); Hesperian Union; Isotes (Independent Social Group—Women); Ministerial Fellowship; Nereidian Club (Women); Poetry Club; Polity Club; Quadrangle Pictures; Student Forum Committee (Women); Student Religious Council; The Duke Players; The Explorers' Club; Town Boys' Club; Town Girls' Club; Undergraduate Writers; Women's Athletic Association; and W. H. Pegram Chemistry Club.

### HONORARY ORDERS AND FRATERNITIES (NATIONAL)

Alpha Kappa Psi (Economics); Chi Delta Phi (Literary—Women); Delta Phi Alpha (German); Kappa Delta Pi (Education); Omicron Chi Epsilon (Ministerial); Omicron Delta Kappa (Leadership—Men); Phi Beta Kappa (Scholarship); Phi Eta Sigma (Freshman Scholarship—Men); Pi Mu Epsilon (Mathematics); Sigma Delta Pi (Spanish); Sigma Pi Sigma (Physics); Sigma Xi (Scientific Society); Tau Kappa Alpha (Forensic); Tau Psi Omega (French); Theta Alpha Phi (Dramatic).

**HONORARY ORDERS AND FRATERNITIES (LOCAL)**

Beta Omega Sigma (Sophomore—Men); Delta Phi Rho Alpha (Athletic—Women); 9019 (Scholarship—Men); Iota Gamma Pi (Scientific); Ivy (Freshman Scholarship—Women); Red Friars (Leadership—Men); Sandals (Sophomore—Women); Tombs (Athletic—Men); White Duchy (Leadership—Women).

**ENGINEERING ORGANIZATIONS AND FRATERNITIES**

American Institute of Electrical Engineering; American Society of Civil Engineering; American Society of Mechanical Engineers; Delta Epsilon Sigma (Honorary Engineering Fraternity); The Engineer's Club.

**MUSICAL ORGANIZATIONS AND FRATERNITIES**

Kappa Kappa Psi (National Band Fraternity); The Duke University Instrumental Music Association, comprised of members from Duke University Band, Duke University Orchestra, and chamber music groups; The Men's Glee Club; The Women's Glee Club; The University Chapel Choir; The Woman's College Orchestra; The Woman's Music Study Club.

**SOCIAL FRATERNITIES (NATIONAL)****(The Men's Panhellenic Council)**

Alpha Tau Omega; Beta Theta Pi; Chi Phi; Delta Sigma Phi; Delta Tau Delta; Kappa Alpha; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Kappa Psi; Phi Kappa Sigma; Pi Kappa Alpha; Pi Kappa Phi; Sigma Alpha Epsilon; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Zeta Beta Tau.

**SOCIAL SORORITIES (NATIONAL)****(The Women's Panhellenic Council)**

Alpha Delta Pi; Alpha Phi; Alpha Epsilon Phi; Delta Delta Delta; Kappa Alpha Theta; Kappa Delta; Kappa Kappa Gamma; Phi Mu; Pi Beta Phi; Sigma Kappa; Zeta Tau Alpha.

**STUDENT PUBLICATIONS****(Publications Council)**

*Archive* (Monthly); *Chanticleer* (Annual); *Chronicle* (Semiweekly); *Duke 'n' Duchess* (Monthly Humor).





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April, 1940

NUMBER 6-A

# BULLETIN OF DUKE UNIVERSITY

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*The Graduate School of  
Arts and Sciences*



1939-1940

ANNOUNCEMENTS FOR 1940-1941

PUBLISHED BY THE UNIVERSITY  
DURHAM, NORTH CAROLINA

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OF  
DUKE UNIVERSITY

THE GRADUATE SCHOOL  
OF ARTS AND SCIENCES



1939-1940  
ANNOUNCEMENTS FOR 1940-1941

DURHAM, NORTH CAROLINA  
1940



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## UNIVERSITY CALENDAR

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1940

- June 11. Tuesday, 9:00 A.M.—Registration of students for Summer School, first term.
- June 12. Wednesday, 2:00 P.M.—Instruction begins for Summer School, first term.
- July 4. Thursday—Independence Day: a holiday.
- July 22-23. Monday, Tuesday—Final examinations for Summer School, first term.
- July 24. Wednesday, 9:00 A.M.—Registration of students for Summer School, second term.
- July 24. Wednesday, 2:00 P.M.—Instruction begins for Summer School, second term.
- Sept. 2-3. Monday, Tuesday—Final examinations for Summer School, second term.
- Sept. 18. Wednesday, 11:00 A.M.—Formal opening of the College; registration of matriculated students.
- Sept. 19. Thursday—Instruction for Sophomores, Juniors, and Seniors begins.
- Sept. 19-21. Thursday, 9:15 A.M.-12:45 P.M.; 2:30 P.M.-4:30 P.M.; Friday, 9:15 A.M.-12:45 P.M.; 2:30 P.M.-4:30 P.M.; Saturday, 9:15 A.M.-12:45 P.M.—Registration of graduate students.
- Oct. 15. Tuesday—Last day for submitting thesis subjects for the degree of Doctor of Philosophy.
- Nov. 4-9. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before October 30.
- Nov. 11-16. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before November 4.
- Nov. 15. Friday—Last day for submitting thesis subjects for the degrees of Master of Arts and Master of Education.
- Nov. 28. Thursday—Thanksgiving Day: a holiday.
- Dec. 11. Wednesday—Duke University Day.
- Dec. 20. Friday, 1:00 P.M.—Christmas recess begins.

1941

- Jan. 3. Friday, 8:00 A.M.—Instruction is resumed.
- Jan. 10-16. Reading period.
- Jan. 17. Friday—Mid-year examinations begin.
- Jan. 29-31. Wednesday, Thursday, and Friday, 9:15 A.M.-12:45 P.M., 2:30 P.M.-4:30 P.M.—Registration for second semester.
- Feb. 1. Saturday—Second semester begins.

- March 1. Saturday—Last day for applying for University fellowships, graduate assistantships, and graduate scholarships.
- March 3-8. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before February 26.
- March 10-15. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before March 3.
- March 22. Saturday, 1:00 P.M.—Spring vacation begins.
- March 31. Monday, 8:00 A.M.—Instruction is resumed.
- April 25-May 9. Reading period.
- May 1. Thursday—Last day for submitting theses for degree of Doctor of Philosophy.
- May 15. Thursday—Last day for submitting theses for degrees of Master of Arts and Master of Education.
- May 16. Friday—Final examinations begin.
- May 31. Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 1. Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 2. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

## OFFICERS OF ADMINISTRATION

---

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D., LL.D.  
*President*

ROBERT LEE FLOWERS, A.M., LL.D.  
*Vice-President in the Business Division*

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.  
*Vice-President in the Educational Division*

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.  
*Dean of the Graduate School of Arts and Sciences*

WALTER HAROLD DELAPLANE, A.B., A.M., Ph.D.  
*Assistant to the Dean of the Graduate School*

---

FRANK CLYDE BROWN, A.B., A.M., Ph.D.  
*Comptroller*

CHARLES BLACKWELL MARKHAM, A.B., A.M.  
*Assistant Treasurer*

JOHN JORGENSEN LUND, A.B., Ph.D.  
*Librarian*

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## EXECUTIVE COMMITTEE OF THE GRADUATE SCHOOL COUNCIL

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.  
*Dean of the Graduate School of Arts and Sciences, ex officio*

WILLIAM ARTHUR BROWNELL, A.B., A.M., Ph.D.

PAUL MAGNUS GROSS, B.S., A.M., Ph.D.

WILLIAM THOMAS LAPRADE, A.B., Ph.D.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D.

NEWMAN IVEY WHITE, A.B., A.M., Ph.D.

ROBERT RENBERT WILSON, A.B., A.M., Ph.D.

## INSTRUCTIONAL STAFF

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### MEMBERS OF THE GRADUATE SCHOOL COUNCIL

*The date denotes the first year of service at Duke University.*

ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. <i>Associate Professor of Psychology</i>	Cornwallis Road
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BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D. <i>Associate Professor of Chemistry</i>	131 Pinecrest Road
BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D. <i>Professor of Botany</i>	922 Demerius Street
BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D. <i>Professor of New Testament Language and Literature</i>	Chelsea Circle, Hope Valley
BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D. <i>Professor of English</i>	410 Buchanan Road
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CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D. <i>Professor of Education</i>	926 Monmouth Avenue
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CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D. <i>Associate Professor of History</i>	1104 Watts Street
COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D. <i>Associate Professor of Political Science</i>	611 Watts Street
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CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D. <i>Professor of Biology</i>	1200 West Markham Avenue
DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D. <i>Associate Professor of Economics</i>	214 Swift Avenue
ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D. <i>Professor of Sociology</i>	129 Pinecrest Road
GERGEN, JOHN J., (1936) A.B., M.A., Ph.D. <i>Professor of Mathematics</i>	1012 West Trinity Avenue
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GILBERT, KATHERINE EVERETT, (1930) A.B., A.M., Ph.D. <i>Professor of Philosophy</i>	516 Carolina Circle

\* Absent on leave, second semester, 1940-41.

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- HOLTON, HOLLAND, (1912) A.B., J.D.  
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*Professor of Silviculture* 1718 Duke University Road
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*Associate Professor of Botany* 922 Urban Avenue
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- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.  
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- LONDON, FRITZ, (1938) Ph.D.  
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- LUNDHOLM, HELGE, (1930) Fil. Kand., Fil. Lic., Ph.D.  
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- MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.  
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- NIELSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.  
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\* Absent on leave, second semester, 1940-41.

† Absent on leave, first semester, 1940-41.



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† Absent on leave, 1940-41.

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*Assistant Professor of Bacteriology* Tuscaloosa Forest
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*Professor of Mathematics* 1404 Arnette Avenue
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*Associate Professor of Zoology* Pinecrest Road
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ciology at the University of North Carolina  
*Lecturer on Sociology, second half-year*
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*Associate Professor of Wood Technology* 1402 Alabama Avenue
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.  
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- \*HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.  
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- HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D.  
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- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.  
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- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.  
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- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.  
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- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.  
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\* Absent on leave, first semester, 1940-41.

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*Instructor in Philosophy* Hillsboro, N. C.
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of History* 2016 Myrtle Drive
- MARTIN, DONALD STOVER, (1932) A.B., M.D.  
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*Assistant Professor of Botany* 2528 University Drive
- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.  
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† Absent on leave, 1940-41.

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THOMSON, ROY BERTRAND, (1938) B.S., M.F., Ph.D. <i>Associate Professor of Forest Economics</i>	K-1-A University Apartments
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## INDUSTRIAL RESEARCH ASSOCIATES

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## FELLOWS AND GRADUATE ASSISTANTS

## UNIVERSITY FELLOWS

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†Brandis, Roland Buford, Jr. A.B., University of Richmond; A.M., Duke University	Economics	808 North Gregson Street
Breslow, David Samuel B.S., College of the City of New York	Chemistry	07-HH

\* Absent on leave, second semester, 1940-41.

† Resigned, November 15, 1939.



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A.B., Southwestern; A.M., Duke University		
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B.S., Farmville State Teachers College		
Causey, Nelle Bevel	Zoology	306 Faculty Apartments
B.S., College of the Ozarks; A.M., University of Arkansas		
DeTurk, William Ernest	Zoology	2715 Chapel Hill Road
A.B., A.M., University of Illinois		
Duke, Kenneth Lindsay	Zoology	2035 Englewood Avenue
A.B., Brigham Young University		
Gilbert, Paul Wilner	Mathematics	Box 5053, Duke Station
A.B., A.M., University of Rochester		
Hamilton, James David Tillman	History	010-HH
A.B., A.M., University of Mississippi		
†Heyward, Mary Anne	English	102 Faculty Apartments
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Hopkins, James Franklin	History	010-HH
A.B., University of Mississippi; A.M., University of Kentucky		
Johnston, George Washington	Botany	1021 Markham Avenue
B.S., M.S., Mississippi State College		
‡Limouze, Arthur Sanford	English	212-HH
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Luttrell, Everett Stanley	Botany	1004 Minerva Avenue
B.S., University of Richmond; A.M., Duke University		
Maryott, Arthur Allen	Chemistry	221-HH
A.B., Duke University		
Park, Robert DeForest	Physics	115-HH
A.B., Oberlin College		
Richards, James Austin, Jr.	Physics	Nation Avenue
A.B., Oberlin College		
Russell, Charles Daniel, Jr.	Chemistry	209-HH
B.S., Niagara University; M.S., California Institute of Technology		
Skell, Philip	Chemistry	04-HH
B.S., College of the City of New York		
Smith, Clarence McKittrick, Jr.	History	09-HH
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Stroupe, Henry Smith	History	Box 4992, Duke Station
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Sturm, Albert Lee, Jr.	Political Science	225-HH
A.B., Hampden-Sydney College; A.M., Duke University		
Wade, Luther Irwin	Mathematics	Box 4616, Duke Station
A.B., Duke University		
Wollman, Seymour Horace	Physics	Physics Department
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Wood, Frederic Marcus, Jr.	Latin	1107 Minerva Avenue
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† Resigned, February 6, 1940.

‡ Resigned, November 3, 1939.



## BROOKINGS-DUKE FELLOWS

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Leath, James Milton	Political Science	Washington, D. C.
A.B., Austin College; A.M., Southern Methodist University		

## GRADUATE ASSISTANTS

Abramovitch, Benjamin	Chemistry	011-HH
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Ayres, Erle Bingham	Chemistry	02-HH
B.S., A.M., Boston University		
*Barnes, Jack Carlisle	English	201 Epworth
A.B., Duke University		
Beck, Lloyd Henry	Psychology	01-HH
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Bizzell, William Hardy	Economics	118-HH
B.S., Millsaps College		
Boyer, Charles Chester	Zoology	303 Swift Avenue
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Brown, Mary Ellen	Philosophy	303-B Faculty Apartments
A.B., Goucher College		
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Campbell, Philip Storer	English	117-HH
B.S., Bowdoin College		
Carr, Thomas Deaderick	Physics	127-HH
B.S., University of Florida		
Caskey, James Edwards, Jr.	Mathematics	118-HH
B.S., Furman University		
Civin, Paul	Mathematics	208-HH
A.B., University of Buffalo		
Coleman, Maybelle	Sociology	113 Faculty Apartments
A.B., Lander College; A.M., Columbia University		
Colley, Frank Harris	History	Box 4862, Duke Station
A.B., A.M., Duke University		
Colloms, Lester Hubert	Religion	1018 Monmouth Avenue
A.B., Emory and Henry College; B.D., Emory University		
Decker, John Peter	Botany	Botany Department
B.S., University of Idaho		
Derr, Paul Franklin	Chemistry	08-HH
B.S., A.M., Duke University		
Douglass, Ann Elizabeth	Psychology	215-A Faculty Apartments
A.B., Swarthmore College		

\* Second semester only.

*Dowling, Arthur Joseph, Jr. A.B., Duke University	English	1010 West Trinity Avenue
Duncan, Harry Alvin, Jr. A.B., Grinnell College	English	1000 Lamond Avenue
Elmer, Robert Watson A.B., Amherst College; A.M., Syracuse University	English	1603 Duke University Road
Flemister, Launcelot Johnson, Jr. A.B., A.M., Duke University	Zoology	1018 Gloria Avenue
†Garner, William Nelson B.S., Bethany College	Zoology	614 Arnette Avenue
Gilmore, Patricia Mary A.B., Smith College	English	308-C Faculty Apartments
Gould, Robert Kent A.B., A.M., Duke University	Chemistry	08-HH
Hadley, Elbert Hamilton B.S., M.S., University of Michigan	Chemistry	221-HH
Hall, Maurice Barker B.S., M.S., Brigham Young University	Physics	Physics Department
Hardcastle, Aaron Bascom A.B., A.M., University of Richmond	Zoology	2410 Club Boulevard
Hardendorff, Victor Hall A.B., Amherst College	English	212-HH
Holder, Ray A.B., A.M., University of Mississippi	Religion	1014 Lamond Avenue
Holder, Virginia Lee Smart A.B., Randolph-Macon Woman's College; A.M., Duke University	Latin	1014 Lamond Avenue
Hoopes, Luther Hartman A.B., Catawba College	English	124-HH
Horton, Paul Burleigh A.B., Kent State University	Sociology	403-GG
Hudson, Boyd Ellyson, Jr. A.B., Duke University	Chemistry	2500 Club Boulevard
Humphreys, Mary Emily A.B., Western Maryland College; A.M., Duke University	Botany	102 Faculty Apartments
Johnston, Robert Ward A.B., Davidson College	Education	113 Epworth
Jones, Jameson Miller A.B., Southwestern; B.D., Louisville Presbyterian Theological Seminary	Religion	105-GG
Keeffe, Daniel Joseph A.B., Louisiana State University	English	201-GG
King, Emily Barton A.B., Converse College; A.M., Duke University	Romance Languages	302 Faculty Apartments
Koch, Sigmund A.B., New York University; A.M., State University of Iowa	Psychology	905 Sixth Street
Lenander, Harlan Edward A.B., Southwestern	Physics	113-HH

\* Resigned, February 14, 1940.

† Resigned, January 12, 1940.

Lethbridge, Berry Bicombe, Jr. B.S., Franklin and Marshall College	Economics	1023 Gloria Avenue
Livingston, Robert Blair A.B., Colorado College	Botany	012-HH
McAdams, Laura Jean A.B., Erskine College; A.M., University of South Carolina	Romance Languages	Faculty Apartments
McDougall, Kenneth Dougal Duke University	Zoology	Box 701, College Station
Marcum, Jay Marshall A.B., Western Kentucky State Teachers College	Economics	402-GG
*Miles, Frank Frodsham A.B., University of Washington	Sociology	1501 East Main Street
Mitchell, William Alexander B.S., Clemson Agricultural College	Political Science	015-HH
Monroe, Roger Clifford A.B., Bradley Polytechnic Institute; A.M., University of Florida	Education	708 Buchanan Road
Moore, Thomas Hayes B.S., Roanoke College	Economics	115 Epworth
Neelands, Charles Wesley A.B., Queen's University; B.D., Queen's Theological College	Religion	1014 Lamond Avenue
Patterson, James Reid B.S., Davidson College	Physics	1007 Green Street
Pethick, Mary Grace A.B., Duke University	Botany	1021 Minerva Avenue
Ramsey, Helen Joyce B.S., M.S., Purdue University	Zoology	302 Faculty Apartments
Roberg, Jane B.S., University of Washington	Physics	216 Faculty Apartments
Rutledge, Ivan Cate A.B., Carson-Newman College	Political Science	026-HH
Schultz, Harold A.B., Columbia University	History	125-HH
Shannon, Edgar Finley, Jr. A.B., Washington and Lee University	English	E-1-B University Apartments
**Singletary, William Edward A.B., Duke University	English	314-GG
Stainbrook, Edward John A.B., Allegheny College	Psychology	117 Epworth
†Starling, James Holt A.B., A.M., University of Alabama	Zoology	F-1-A University Apartments
Steele, Alpheus Thornton A.B., Municipal University of Wichita	Economics	303 Swift Avenue
‡Tate, Russell Sage, Jr. ‡‡A.B., University of Richmond; A. M., Duke University	Economics	918 Urban Avenue

\* Resigned, December 12, 1939.

\*\* Resigned, October 24, 1939.

† Second semester only.

‡ Resigned, December 5, 1939.

‡‡ A.M. to be conferred June, 1940.

†Teagarden, Lucetta Jane A.B., Wilson College	English	305 Faculty Apartments
†Thomasson, Betty Marchant A.B., Meredith College	English	215-B Faculty Apartments
Watts, Daniel Thomas A.B., Elon College	Zoology	121-HH
Watts, Hessie Brawley A.B., A.M., Duke University	English	306 Faculty Apartments
Williams, Melvin John A.B., B.D., Duke University	Sociology	1110 Chapel Hill Street
Wolf, Mary Hubbard A.B., Mount Holyoke College	Zoology	924 Urban Avenue
Wright, Ernest Baskin A.B., University of Alabama; A.M., University of Wisconsin	Political Science	1215 Sixth Street

## GRADUATE SCHOLARS

Ahlstrom, John Dillingham A.B., Williams College	History	120-HH
Bailey, James Eugene A.B., Duke University	Romance Languages	313-GG
Barrett, William Robert, Jr. A.B., The Citadel	German	216-HH
Burrows, Edward Flud A.B., Washington and Lee University	History	023-HH
Cleveland, Leslie Joseph A.B., Carleton College	History	015-HH
Dibeler, Vernon Hamilton B.S., Duke University	Chemistry	214-HH
Downton, James Bertram A.B., University of Buffalo	Greek	1505 Duke University Road
Faires, Robert Edgerton B.S., Ohio University	Physics	217-HH
Feagins, Carroll Spurgeon A.B., Duke University; A.M., University of Michigan	Philosophy	024-HH
Few, Kendrick Sheffield A.B., Duke University	English	Duke Station
Flora, William Evans Sherlock A.B., College of Wooster; A.M., Duke University	Political Science	1411 B Street
Helm, Robert Meredith, Jr. A.B., Wake Forest College	Philosophy	114-HH
Jennings, Louis Girton A.B., Franklin and Marshall College	Latin	212-HH
Jones, Ralph Gray A.B., A.M., Louisiana State University	Political Science	117-HH
*Long, John William, Jr. A.B., Dickinson College; A.M., Duke University	History	2003 Club Boulevard
Lyu, Kingsley Kyungsang A.B., Chosen Christian College; B.S., A.M., Syracuse University	Philosophy	101 Epworth

† Second semester only.

\* A.M. to be conferred June, 1940.

McGaughran, Laurence Shirley A.B., University of Louisville	Psychology	211-HH
Rand, Robert Collom A.B., Duke University	Mathematics	213-HH
Rapp, Marvin August A.B., Colgate University	History	111-HH
Rein, William Christopher A.B., Western Maryland College; M.Ed., Duke University	Education	818 Sixth Street
Strickland, Winifred Lillie B.S., Birmingham-Southern College	Biochemistry	215-A Faculty Apartments
Toole, Eben Richard B.S., New York State College of Forestry; A.M., Duke University	Forestry	219-HH
Turner, Philip Allison A.B., Hiram College	Romance Languages	016-HH
Van Voorhis, Robert Henry A.B., Duke University	Economics	314-HH
Waldron, Ellis Leigh A.B., Ohio State University; A.M., University of Wisconsin	Political Science	017-HH
Webb, John Maurice A.B., Duke University; A.M., Yale University	History	1017 West Trinity Avenue

# GRADUATE INSTRUCTION IN DUKE UNIVERSITY

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## ADMISSION

### TO GRADUATE COURSES

A student who has received the A.B. or B.S. degree for a four-year undergraduate course may be admitted to take graduate courses in the Graduate School of Arts and Sciences of Duke University, provided that his undergraduate record gives positive evidence of ability to undertake graduate study successfully. An average grade of not less than "B" is ordinarily accepted as evidence of such ability.

No college or university work taken before the Bachelor's degree is conferred, or fully earned, may be credited toward an advanced degree except under the following circumstances: A student of Duke University who lacks at the beginning of a term not more than nine semester hours of fulfilling the requirements for the Bachelor's degree may obtain permission from the Dean of the Graduate School to take during the term graduate courses sufficient to bring his total work to fifteen hours a week. Such graduate courses will be credited toward the degree of Master of Arts or Master of Education if registered in the Graduate School Office at the beginning of the term and if the student meets the requirements below for formal admission to the Graduate School.

A candidate for admission to graduate courses should ask the proper officer of the college(s) he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record. An advanced student should provide also a transcript of the graduate work he has completed. In no case will a transcript presented by the candidate himself be accepted as a basis for admission, nor will a transcript mailed by any institution be returned to the student. An application blank for admission will be provided upon request to the Dean of the Graduate School. The transcript and application should be submitted to the Graduate School by September 1 for admission in the autumn semester and by January 15 for admission in the spring semester.

### TO THE GRADUATE SCHOOL

After twelve semester hours of graduate work, the student may apply for admission to the Graduate School, and thus become a candidate for the Master's degree. Such admission is dependent upon the fulfillment of two conditions. (1) The student must have made a mark of "G" or "Good" in at least three semester hours of work, with no mark less than "S." Candidates who cannot meet this condition may at a later time submit their records for re-evaluation, provided that in their subsequent work they shall have made a substantial number of "G's." (2) The student in his undergraduate work must have met substantially the requirements for the A.B. or B.S. degree at Duke University. Any deficiencies



of undergraduate work must be satisfied before admission to the Graduate School. Graduate courses taken at Duke University prior to formal admission to the Graduate School will count toward a higher degree provided they are in accord with its requirements and are acceptable to the major department.

### REGISTRATION

A student who is admitted to graduate courses will receive a permit to register, which he should present when he registers for courses. If he expects to work toward an advanced degree, he must consult with the Director of Graduate Studies or his representative in the department in which he proposes to major before registering his courses in the Graduate School Office. This can be done during the registration period in September and January. The department concerned will determine whether a student is prepared to take any particular course. In all cases the student must make up without credit toward a graduate degree all prerequisites required by the major department of candidates for advanced degrees. Students who have fulfilled the minimum residence requirements for the doctorate but who are continuing resident study at Duke University for the degree should register in the Graduate School Office, even though there may be no fees to be charged.

New students are advised to arrive early during the registration period in order to formulate their programs. Anyone registering for courses after the close of the regular registration period will be charged a late registration fee of five dollars.

### TUITION AND FEES

#### GENERAL FEES IN THE ACADEMIC YEAR

The following table shows the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester. No student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage Fee, payable annually in September.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00

For further information concerning room-rent, see below.

**SPECIAL FEES**

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research work in the summer under direction of a member of the Faculty.

**STUDENTS FROM THE UNIVERSITY OF NORTH CAROLINA GRADUATE SCHOOL**

Under an experimental plan of co-operation between the University of North Carolina and Duke University, regular students from the University of North Carolina Graduate School admitted to courses in the Duke University Graduate School pay a registration fee of two dollars and any laboratory or special course fees which are required of all students.

**TRANSCRIPTS**

A student desiring to transfer from Duke University to another institution is entitled to one free transcript of his record. A charge of one dollar, payable in advance, is made for each additional copy. Transcripts of students who enroll in graduate courses only in the summer sessions are issued by the Summer School Office prior to the fulfillment of all requirements toward an advanced degree, after which time they can be obtained in the regular way from the Graduate School.

**PAYMENTS TO FELLOWS, SCHOLARS, AND GRADUATE ASSISTANTS**

Payments by the University of stipends to fellows, scholars, and graduate assistants are made in four equal installments on November 25, January 25, March 25, and May 25. Tuition and fees are charged against the stipends.

Fellows and scholars are required to pay the regular tuition and fees and are expected to take a full program of work. Assistants who are permitted to register for only four fifths of a regular program are charged a proportionate amount of the tuition in addition to the regular matriculation and other minor fees.

**SPECIAL CHARGES FOR TEACHERS AND OTHERS**

For the purpose of aiding North Carolina teachers in their professional preparation, Duke University grants a special tuition rate to members of the faculties of near-by schools and colleges who desire to register during the regular academic session for one or two graduate courses. For such courses a teacher regularly employed and teaching while taking these courses is charged a registration fee of five dollars at the beginning of each semester and a tuition fee of three dollars per semester hour of course credit, together with any regular laboratory fees which may be required in these courses. Under this provision a student may not register for more than seven hours per week.

Employees of Duke University who are paid on a monthly basis throughout the year, ministers of near-by churches, and wives of the Duke Faculty may be included under the above provisions by the Dean of the Graduate School, provided that such persons do not receive resi-

dence credit for more than two fifths of a regular program in meeting the requirements for advanced degrees.

The special tuition rate for teachers does not apply in any case to the holders of fellowships, graduate scholarships, and graduate assistantships annually awarded in the Graduate School nor to teachers on leave of absence and not actually engaged in their teaching at the time of registration.

## LIVING ACCOMMODATIONS AND EXPENSES

### ROOMS

On the West Campus a new graduate building, Few Quadrangle, was opened in September, 1939, with accommodations sufficient to meet the requirements of the men in the Graduate School and in the professional schools. Special sections are reserved for those registered in the Graduate School of Arts and Sciences. On the East Campus a limited number of rooms in the Faculty Apartments is available to women registered in the Graduate School. All students' rooms, both on the Woman's College Campus and on the West Campus, are supplied with all necessary furniture. The student should plan to provide his own towels, sheets, pillows, pillowslips, bedcoverings, and table lamp.

Rooms for men in the graduate dormitory on the West Campus vary in rent between \$50.00, \$62.50, and \$75.00 per semester. In the Faculty Apartments on the Woman's College Campus, a single room rents for \$87.50 per semester, a double room for \$62.50 per semester per person.

Rooms are reserved only for students who have been officially admitted to graduate courses by the University. They are rented for no shorter period than one semester. The occupancy of a room for less than one semester will cost the student one dollar each day unless he makes the necessary arrangements with the Director in the Business Division before occupying the room. Men who desire to live in the graduate dormitory should make application to Mr. W. E. Whitford, Director of the Business Division; a room reservation fee of \$25.00 is payable at the date of acceptance of his application for admission to graduate courses. Similarly, women who wish to room in the Faculty Apartments should make application and pay the room reservation fee to Mr. W. A. Tyree, Director of the Business Division. This fee is deducted from the room-rent in the fall and its not refundable unless the request is made on or before July 15. Early application for a dormitory room is essential if the student wants to be assured of living accommodations on the campus.

A resident student who wishes to retain his room for the succeeding year must pay first a reservation fee of \$25.00 to the Treasurer's Office and then notify the office of the Director of the Business Division on or before May 15. All rooms which have not been reserved by that date will be considered vacant for the succeeding year. When a room is once engaged by a student, no change will be permitted except with the consent of the Director of the Business Division.

Graduate students are required to observe the same general regulations as undergraduate students with respect to the use of the rooms. Leaving one room and occupying another without permission is strictly forbidden and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. The use of a room for merchandising of any kind is not allowed.

The University does not assume the responsibility of selecting and assigning roommates, though it will gladly render any assistance possible in the matter.

#### BOARDING ACCOMMODATIONS

Men and women enrolled in the Graduate School will find superior dining facilities in the Unions on the East and West Campuses. The charge for board approximates \$225 per year. The Union on the West Campus has, in addition to the regular dining halls, a coffee shop and a sandwich shop, in which *a la carte* service is available.

#### ESTIMATED EXPENSES IN THE ACADEMIC YEAR

The necessary expenses of a graduate student are moderate. The University dormitories and Unions provide comfortable and wholesome living conditions at a minimum cost. Incidental expenses for recreation, smoking, traveling, clothes, and other items naturally depend on the tastes and habits of the individual. The table below lists the necessary college expenses for one year:

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition .....	\$200.00	\$200.00	\$200.00
Matriculation .....	50.00	50.00	50.00
Room-rent .....	100.00	125.00	150.00
Board .....	225.00	225.00	225.00
Laundry .....	20.00	25.00	30.00
Books .....	22.50	30.00	45.00
Library Fee.....	10.00	10.00	10.00
Athletic Fee.....	10.00	10.00	10.00
Damage Fee.....	1.00	1.00	1.00
Medical Fee.....	10.00	10.00	10.00
	\$648.50	\$686.00	\$731.00

#### FELLOWSHIPS, SCHOLARSHIPS, AND ASSISTANTSHIPS

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be made on or before March 1 of each year. In case vacancies occur, applications submitted on a later date will be considered. Appointments which were offered for the year 1940-41 are listed below.

**FELLOWSHIPS**

One Angier Duke Memorial Fellowship of one thousand dollars.

Four University Fellowships of seven hundred and fifty dollars each.

Ten University Fellowships of seven hundred dollars each.

Sixteen University Fellowships of six hundred and fifty dollars each.

One Gurney Harris Kearns Fellowship in American Religious Thought of seven hundred dollars.

Fellows will be required to give a limited amount of assistance in reading papers, in laboratories, or in other departmental duties. All fellows carry a full program of graduate work.

**GRADUATE SCHOLARSHIPS**

Seven Graduate Scholarships of four hundred and fifty dollars each.

Twelve Graduate Scholarships of four hundred dollars each.

Scholars may be asked to give a limited amount of assistance in departmental work. They normally carry a full program of graduate studies.

**FELLOWSHIPS AND GRADUATE SCHOLARSHIPS IN FORESTRY**

Information regarding special fellowships and graduate scholarships in forestry may be obtained before March 1, 1941, from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

**BROOKINGS-DUKE CO-OPERATIVE FELLOWSHIPS**

Duke University and the Brookings Institution of Washington, D. C., have entered into a co-operative arrangement for the establishment of fellowships in economics and political science. Each fellowship will be of the approximate annual value of one thousand dollars. The fellowships will be available to third-year or more advanced graduate students, who have either completed the work for the Ph.D. degree, or who wish to do thesis work in Washington. In carrying on their work, students will use the facilities of the Brookings Institution. In most cases unmarried persons will be nominated for these appointments. Further details can be obtained from the Dean of the Graduate School, Duke University, or from the Brookings Institution, Washington, D. C. Graduate students who desire to be nominated by Duke should apply to the departments concerned not later than March 1. Nominations are transmitted to the Brookings Institution by March 15.

**APPOINTMENTS AS GRADUATE ASSISTANTS**

A considerable number of appointments as teaching assistants or readers will be available for graduate students. The compensation will usually range from \$300 to \$700, depending upon the nature and amount of the work assigned. Assistants receiving \$500 or more will be registered for four fifths of a normal program of studies.

Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.



**ADVANCED DEGREES**

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts (A.M.), Master of Education (M.Ed.), and Doctor of Philosophy (Ph.D.). Most departments of the University are now prepared to give a full program of work leading to the degree of Doctor of Philosophy.

**REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS****LANGUAGE REQUIREMENTS**

Candidates for the degree of Master of Arts are required either to have a reading knowledge of a foreign language evidenced by examination or by transcript showing the completion of the third college year of the language, or to have a reading knowledge of French and German evidenced by transcript showing the completion of second-year college French and college German.

**MAJOR AND MINOR SUBJECTS**

As a prerequisite to graduate study in his major subject, a student must have completed a minimum of twelve semester hours of approved *preliminary* courses in that department and twelve additional semester hours either in that department or in related work. Many departments require eighteen semester hours of undergraduate credit. The student therefore should read carefully the special requirements listed by each department.

To obtain the degree of Master of Arts, a candidate must complete satisfactorily twenty-four semester hours of graduate courses and a thesis. The credit for the thesis is six semester hours. Each candidate for the degree must select a major subject, in which the minimum requirement is twelve semester hours and the thesis. A candidate must take six semester hours of graduate work in a minor outside of but approved by the major department, and the remaining six semester hours in the major or minor fields or in a department approved by the major department and by the Graduate School Council. No undergraduate course may be credited toward the degree of Master of Arts.

**RESIDENCE REQUIREMENTS**

The minimum residence requirement of candidates for the Master's degree is one academic year. Often a longer period of residence will prove necessary. Those students who take more than fifteen semester hours of courses in the Summer School must fulfill a minimum residence requirement of thirty-three weeks.

Not more than six semester hours of credit toward the Master's degree may be given to graduates of Duke University or of other colleges or universities for acceptable graduate courses or research work completed elsewhere. Such credit shall not shorten the minimum period of full-time residence work required at Duke University. It may be used, however, to give opportunity to take six semester hours of a required



language course or of required undergraduate training. No credit toward advanced degrees is given for university extension or correspondence courses.

All the work offered for the Master's degree, whether in the regular academic year or in summer sessions, must be completed within a period of six years from the date of beginning.

#### THESIS

The title of the thesis required in partial fulfillment of the requirements for the degree of Master of Arts or Master of Education must be approved by the department or departments concerned and filed with the Dean of the Graduate School on or before November 15 of the academic year in which it is expected that the degree will be conferred.

Three (or, at the discretion of the department, four) bound type written copies of each thesis must be submitted to the Dean of the Graduate School in approved form on or before May 15 of the year in which the degree is conferred. The thesis is passed upon and accepted or rejected by an examining committee of three members of the Faculty. Two of the copies, the original and a carbon copy, are placed in the University Library.

#### EXAMINATION

Each candidate for the Master's degree is required to appear before the committee mentioned above for a final examination, which will approximate one and one-half hours in length and will be on the thesis and major field.

#### REQUIREMENTS FOR THE DEGREE OF MASTER OF EDUCATION

The degree of Master of Education is granted to teachers or others engaged in educational service, upon the completion of the prescribed program of study. Candidates for the degree must have had two years of practical experience in teaching when the degree is conferred. This experience may be obtained in the two years immediately prior to entering upon candidacy for the degree, or it may be obtained concurrently with the period of study for the degree.

A preliminary requirement for admission to graduate study for this degree is the completion of a minimum of eighteen semester hours of approved undergraduate work in education, including courses in educational psychology and in the history of education, or educational sociology, or school administration.

The requirements for the degree of Master of Education are twenty-four semester hours of graduate courses and a thesis. Candidates must take a minimum of twelve semester hours of work and write a thesis in the Department of Education. At least six semester hours must be taken in some department other than the Department of Education. Students who are preparing to teach are advised strongly to take twelve semester hours of graduate work in the subjects they intend to teach. In such cases the thesis may be prepared under the joint supervision of a depart-

ment in which the student expects to teach and the Department of Education.

The requirements pertaining to residence, thesis, and examination for the degree of Master of Education are identical with those for the degree of Master of Arts. Students who work toward the degree of Master of Education in the Summer School may substitute certain courses and examinations for the thesis requirement, as explained in the *Bulletin of the Summer School*.

## REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

### THE DEGREE

The degree of Doctor of Philosophy is a research degree; it is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses. The granting of the degree will be based primarily upon evidence of high attainments in a special field of knowledge and upon the production of a thesis embodying the results of original research.

A student who plans to enter upon a program of work leading to the degree of Doctor of Philosophy should consult or enter into correspondence with the Dean of the Graduate School or the Chairman or Director of Graduate Studies of the department concerned. He will then be advised as to the possibility of securing the necessary instruction and supervision of research in the desired field.

### RESIDENCE

The normal period of resident graduate study, after the general requirements for admission to the Graduate School have been satisfied, is not less than three academic years. The candidate must spend at least either the last year in actual residence at Duke University, or the first two years. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may expect to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake.

Credit for one year of work done in summer school sessions may be given with the approval of the Graduate School Council and the department in which the student takes his major work. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work completed many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

### APPLICATION FOR CANDIDACY

A student desiring to become a candidate for the Ph.D. degree is ordinarily required to file with the Dean of the Graduate School, not later than the beginning of the second year of graduate work, a formal application indicating in what department and under what professor he

proposes to carry on research. A committee will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major department have been satisfied, the chairman of the committee shall report the fact in writing to the Dean of the Graduate School. The student's program of study will be arranged after consultation with this committee and must secure its approval and that of the Dean of the Graduate School. In the case of students who come to Duke University for only the last year of graduate work, and in special cases approved by the Graduate School Council, the application for recognition as a candidate for the Ph.D. degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

#### PROGRAM OF STUDY

The program of study of a candidate for the Ph.D. degree is subject to the approval of the Graduate School Council and of the committee provided for in the preceding section. The student must select a major field and one or two minor related fields. When a department offers instruction in a sufficient variety of subjects and the needs of the individual student seem to require it, the Graduate School Council may permit a major and minor to be taken in the same department.

#### FOREIGN LANGUAGES

A reading knowledge of French and German will be required. The student will be examined on one of the foreign languages at the beginning of his second year of graduate work. No person can come up for his preliminary examination without having satisfied the language requirements for the Doctor's degree. The department in which he takes his major work may indicate preference as to the language in which the student shall first be examined. Foreign language examinations will be conducted by the appropriate language department in conjunction with the department in which the student has his major field of work.\*

#### PRELIMINARY EXAMINATION

Toward the end of the second full year of graduate work (or in special cases early in the third year), a preliminary examination of each candidate will ordinarily be held covering the general field of his studies. This examination will be conducted by the committee in charge of the student's work and will be either oral or written, or both as the committee may determine. A student who passes the examination will be recognized as a candidate for the Ph.D. degree. The examination on his subject or subjects will ordinarily be held at the time of his preliminary examination. Graduate students who transfer to Duke University to work toward the degree of Doctor of Philosophy and who have already passed the preliminary examination for that degree at another university

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\* See University Calendar, p. 7.

must take the regular preliminary examination at Duke University unless excused from it by special action of the Graduate School Council.

If a student fails on his first examination, he may make a second attempt after six months upon the recommendation of his committee and the approval of the Dean of the Graduate School. Two failures on this examination make the student ineligible to continue work toward the Ph.D. degree at Duke University.

#### THESIS

The thesis for the Ph.D. degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the Graduate School on or before October 15 of the academic year in which the candidate desires to take the final examination for his degree. The subject must receive the written approval of the head or chairman of the department in which the candidate has his major field of work and also of the professor under whom the thesis is being written.

The thesis must be completed to the satisfaction of the professor under whom it is written, and four bound, typewritten copies in approved form must be deposited with the Dean of the Graduate School on or before May 1 if the student desires to be examined on the thesis in the same academic year. The bound copies of the thesis should contain at the end an autobiographical sketch of the student. The title page must be approved by the major department and by the Dean of the Graduate School. Two of the copies, the original and a carbon copy, are placed in the University Library.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the Graduate School and the committee in charge of the candidate's work. In its published form the title page should include this statement: "A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in the Graduate School of Arts and Sciences of Duke University." Copies of the published thesis should be deposited in the Graduate School Office as provided by regulations of the Graduate School Council. The degree will not be conferred until publication of the thesis, in approved form, within three years has been guaranteed in a way satisfactory to the Dean of the Graduate School and the professor under whom the thesis was written.

#### FINAL EXAMINATION

The final examination on the thesis and on the related subject matter in the major or the minor fields will be oral. Approximately one year must elapse between the dates of the preliminary examination and the final examination. Two failures on this examination make a student ineligible to continue work toward the Ph.D. degree at Duke University. The second examination may be given only upon the recommendation of the professor in charge of the thesis and the approval of the Dean of the Graduate School.

### THE GRADING OF GRADUATE STUDENTS

Members of the Faculty are expected to report the grades of graduate students not later than February 15 for the first semester and not later than June 15 for the second semester on the cards provided for that purpose.

In the grading of graduate students, "S" or satisfactory shall represent work of an acceptable character, "G" or good shall be the next higher grade, and "E" or exceptional shall be the highest grade. "F" or failing indicates that the grade of the student is below passing. In a course in which both graduates and undergraduates are enrolled, the grade "S" shall represent approximately an 80 per cent rating. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in a course in which his standing is generally satisfactory. Unless a report is made within one year that the course has been satisfactorily completed, all credit will be lost.

### GENERAL REGULATIONS

Not more than twenty-five students are permitted in a class giving graduate credit, nor are undergraduate students below the Senior year permitted in such a class. Exceptions to these rules may be made by special permission of the Graduate School Council on recommendation of the department concerned.

In courses exclusively for graduates, students may be given extra credit in semester hours for extra work done, with the approval of the Graduate School Council on recommendation of the department.

### THE LIBRARY

The total number of volumes in the University Library on June 30, 1939, was 569,140 volumes. These are distributed among four main units: the General Library with 429,082 volumes; the Hospital (Medical) Library, 36,596 volumes; the Library of the Law School, 61,403 volumes; and the Woman's College Library, 42,637 volumes.

The work of students in the Graduate School is carried on primarily in the General Library. A Graduate Reading Room, which contains the reference material most in demand, provides a quiet and convenient place for study. Graduate students are also admitted freely to the stacks. Within the stacks are located 108 carrells or desks which are assigned on an annual basis, preference being given to students in the Graduate School. To facilitate work in the natural sciences, the General Library maintains departmental libraries adjacent to laboratories for the Departments of Chemistry, Physics, and Biology. A departmental library is also maintained for the School of Religion.

In the field of mathematics and the sciences particular attention has been given to securing files of important journals and serials. A check-list of all scientific periodicals and serials on the University campus shows a total of approximately 2,120 files in a more or less complete



form. The total number of current periodicals received by subscription, exchange, and gift in 1938-39 was 2,931, exclusive of duplicates.

In the field of the social sciences and the humanities every effort has been made to secure the basic collections of source material as well as the more important publications of criticism and discussion. This has been done by the acquisition of such sets as the *Die Griechischen Christlichen Schriftsteller der ersten drei Jahrhunderte*, *Corpus Scriptorum Ecclesiasticorum Latinorum*, Migne's *Patrologia*, the *Corpus Scriptorum Historia Byzantiae*, the *Monumenta Historica Germaniae*, the *Acta Sanctorum*, the *Corpus Reformatorum*, complete files of the publications of the League of Nations, the International Labor Office, and many others. The endeavor to select the more important items in the various fields of graduate work has been supplemented by the purchase of a number of special collections and libraries. Among the more important of these might be mentioned a Peruvian library of approximately three thousand books and manuscripts; a library of several thousand volumes dealing with Brazil; the recently acquired Robertson library of Philippiniana; the Lanson Collection of French literature consisting of twelve thousand books and monographs; a Goethe collection of one thousand volumes; a Scandinavian collection of three thousand volumes; a collection of about five thousand items of early Americana, dating from the seventeenth century to 1820; the Holl church history library dealing primarily with the period of the Reformation; a collection of many thousands of church minutes and records of American denominational history; two collections of eighteenth-century English poetry and prose totaling about five thousand items; two special collections, one dealing primarily with Byron and the other with Coleridge, containing a number of manuscripts, annotated copies, and first editions; a collection of material on the Fourier movement; and the Thomas Collection of books on Chinese history and culture. Special mention should be made of the George Washington Flowers Collection of manuscripts, books, newspapers, and pamphlets dealing with all phases of Southern history.

#### PUBLIC DOCUMENTS

The importance of public documents as fundamental source materials for the social sciences and as containing also some of the most important work in the field of applied science is being clearly recognized, and an excellent start has been made toward a comprehensive collection of this material. The Library has been a depository for Federal documents since 1890. State documentary publications are also being systematically collected in co-operation with the University of North Carolina. Of European public documents a representative collection has been secured. Among the more notable items might be mentioned the *British Parliamentary Papers* (since 1925), *Calendar of State Papers*, the *Acts of the Privy Council*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Bulletin des Lois de la République Française*, the *Reichsgesetzblatt*, the *Verhandlungen des Reichstages*, the *Atti* of the Italian



Parliament, and the *Diario* of the Spanish *Cortes*. The public documents of the Latin-American countries form one of the strongest units of the Library.

Under this heading should be mentioned also the library of Professor Louis Strisower, sometime president of the Institut de Droit International, which contains approximately five thousand volumes dealing with international law. The volumes date from the seventeenth century to the present and contain some especially valuable periodical files and rare books.

#### PUBLICATIONS OF EUROPEAN ACADEMIES

The Duke University Library has more than twenty-five sets of European academies containing monographs in most of the fields of knowledge and constituting important sources for the research programs of graduate students and Faculty. The sets comprise about two thousand volumes and include *Preussische Akademie der Wissenschaften* (Berlin); *Gesellschaft der Wissenschaften zu Göttingen*; *Sächsische Akademie der Wissenschaften* (Leipzig); *Bayerische Akademie der Wissenschaften* (Munich); *Heidelberger Akademie der Wissenschaften*; *Académie des sciences* (Paris); *Académie des inscriptions et belles-lettres* (Paris); *Académie des sciences morales et politiques* (Paris); *Accademia virgilitiana de scienze, lettere ed arti di Mantova*; *Accademia dei lincei* (Rome); *Accademia nazionale dei lincei*; *Accademia d'Italia* (Rome); *Accademia pontificia dei nuova lincei* (Rome); *Academia de ciencias y artes* (Barcelona); *Real academia española*; *Academia de la historia* (Madrid); *Akademia nauk* (Leningrad); *Dansk videnskabernes selskab* (Copenhagen); *Norsk videnskaps-akademi i Oslo*; *Akademie van Wetenschappen* (Amsterdam); *Académie royale des sciences, des lettres et des beaux-arts de Belgique* (Brussels); *Akademiya umiejtnosci* (Krakow).

#### NEWSPAPERS

The Library collection of newspapers contains around twelve thousand volumes. Practically all states of the Union are represented, although the major part of the collection is from along the Atlantic seaboard. Of the eighteenth-century items, the states best represented are Massachusetts, Maryland, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. There is an excellent collection of nineteenth-century New England papers. There are especially long runs of the *New York Herald*, *New York Times*, *New York Tribune*, and the *London Times*. The World War period is unusually strong with about twenty-eight titles practically complete for 1914-19. There is a group of papers from Germany in the years just after the World War. Special emphasis has been placed on the Southern States, and there are numerous volumes of papers from North Carolina, South Carolina, and Virginia, representing the Colonial period, the Ante-Bellum period, and the Civil War period. The current subscription list of eighty-four titles repre-

sents American public opinion and contains nineteen important foreign titles.

#### MANUSCRIPTS

The manuscript collection now contains approximately 581,000 pieces. Outstanding items include one notable Greek manuscript of the thirteenth century containing the entire New Testament. In the field of English literature there is an interesting body of Rossetti material. For the most part, however, the collection relates to the South Atlantic region. The field of American literature is represented by the papers of Paul Hamilton Hayne, Thomas Holley Chivers, William Gilmore Simms, John Esten Cooke, George Frederick Holmes, and Thomas Nelson Page. Material is most copious in the field of history, where the papers of both well-known and minor figures provide a well-rounded picture of life in the South during the nineteenth century. Aside from politics, information can be found on all phases of social and economic life. Particular attention is given to the period of the Civil War, with the result that the collection is rich in material on civic and social as well as military phases of that conflict. Of interest for historical studies are the papers of P. G. T. Beauregard, John C. Calhoun, John J. Crittenden, John Clopton, William H. Crawford, Jefferson Davis, James Mercer Garnett, Nathaniel Greene, Louis M. Goldsborough, David B. Harris, William W. Holden, T. J. (Stonewall) Jackson, John M. Kell, Robert E. Lee, Francis R. Lassiter, George McDuffie, A. T. Mahan, Willie P. Mangum, Matthew Fontaine Maury, Francis W. Pickens, Richard Singleton, and Alexander H. Stephens. The manuscript collection is increasing at the rate of about fifty thousand items annually.

#### EXCHANGE PRIVILEGES WITH THE LIBRARY OF THE UNIVERSITY OF NORTH CAROLINA

The libraries of Duke University and of the University of North Carolina have completed arrangements for the fullest exchange of privileges and resources. Each library contains a catalogue of the contents of the other, and books requested from the other library are supplied through a delivery service which operates daily except Saturdays and Sundays. Faculty members and graduate students may secure cards admitting them to the stacks of the other library. The Library of the University of North Carolina contains approximately 374,000 volumes, besides a large collection of manuscripts relating to Southern history. Through this arrangement more than 944,000 volumes are available to students in the combined libraries.

#### SCIENCE LABORATORIES

##### BIOLOGICAL LABORATORIES

The Biology Building on the West Campus contains three refrigerated rooms, an incineration room, a workshop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology,

parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, forest soils, and wood anatomy and properties. A 300-acre arboretum is being developed adjacent to the campus with Dr. E. S. Harrar in charge of its development. A greenhouse gives adequate space for experimental work and propagation. There is an herbarium of some fifty thousand specimens of all plant groups with a large representation of the Southern flora. Dr. H. J. Oosting is Curator of the Herbarium, and Dr. Irving E. Gray is the Curator of the Zoological Museum. On the East Campus, laboratories are provided for undergraduate women, and there is a small greenhouse near the Science Building. Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work are available.

The Duke Forest and its streams provide excellent collecting grounds. The Duke Forest is under the management of the School of Forestry. Duke University is situated in the Piedmont region, between the mountains and the coastal plains. This gives easy access to a varied flora and fauna. North Carolina is the home of the tulip poplar, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to montane species. In the woods about the University there is a great variety of animals.

The Marine Laboratory at Beaufort, North Carolina, provides facilities for work on plants and animals in and near the ocean. It is situated on Piver's Island, adjacent to the Biological Laboratory of the United States Bureau of Fisheries.

#### PHYSICAL LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. In addition to the usual lecture and elementary laboratory facilities, laboratories are provided for work in electrical measurements, optics, atomic physics, and advanced measurements in general physics.

Rooms are provided for various instruments of research in spectroscopy, such as a 10-foot concave grating which is used in conjunction with a 32-meter-long stainless steel pipe for study of weak absorption; a vacuum spectrograph with a 2-meter glass grating; an apparatus for the study of the Raman spectra of gases photographed with a large 3-prism glass f 2.5 glass Zeiss spectrograph and various other spectroscopic instruments, such as the Hilger E-1, Moll microphotometer, etc.

A transformer high-voltage outfit generating voltages up to 500 KV makes possible the study of a number of problems in nuclear physics. Research facilities, such as counters, cloud chambers and ionization chambers, are available for the study of the properties of extremely high energy particles such as those present in the cosmic radiation.

A well-equipped shop operated by trained instrument makers makes possible the development of instructional and research apparatus. A shop is also provided for the use of the Staff and graduate students.

#### CHEMISTRY LABORATORIES

Graduate work in chemistry is carried on in a new building which has a floor area of about 57,000 square feet. The equipment of this building is modern in every respect. Of this total space a large proportion is available for research and advanced teaching. There are twenty-five double research rooms completely equipped with the usual services. In addition, the following specially designed rooms are available for present or future research as indicated: a low temperature room, photographic room, constant temperature room, gas analysis room, combustion room, bomb room, animal room, and rooms equipped for high vacuum, X-ray, and photochemical investigations.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

#### MEDICAL SCHOOL

In the School of Medicine elaborate facilities are provided for post-graduate research in the various branches of medical science. Especial attention is given to training in preventive medicine and public health work. Graduate students in the Graduate School of Arts and Sciences taking work in Anatomy, Bacteriology, Immunology, Biochemistry, Physiology and Pharmacology, and Nutrition will find complete laboratory equipment and medical library in the Medical School Building.

#### THE DUKE FOREST

Through placing the Duke Forest under intensive management for forestry purposes, substantial progress has been made in developing the educational work and research in forestry. The Duke Forest consists of approximately five thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region, composed of second-growth shortleaf pine, loblolly pine, and hardwoods, the Forest is representative of the various types of timber growth and soils found throughout the region.

Owing to the proximity of the Forest to the laboratories, greenhouses, and library facilities of the University, an excellent opportunity exists for advanced study and research in forestry. Research, particularly in the fields of silvics, forest soils, silviculture, forest management, properties of wood, forest-tree physiology, and forest pathology, is well under way. Several members of the Botany and Zoology Staffs are also engaged on research in the Duke Forest.

For additional information, see the *Bulletin of the School of Forestry*.



### ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a University Council on Research. The twelve members of this Council are chosen from the Faculties of the Schools of Medicine, Law, and Religion, and the Graduate School of Arts and Sciences. In May of each year the Council on Research receives written applications from members of the Faculty for subsidies to be used in the following fiscal year to aid them in carrying out research projects. Stipends are granted for the employment of research assistants, for the purchase of books and for apparatus, supplies, and equipment. Each member of the Faculty to whom a research stipend is granted must make a written report within twelve months to the Council concerning the progress of the investigation for which the stipend was allowed.

### SPECIAL LECTURES

During each academic year the University Lecture Committee arranges for a number of special lectures of value to graduate students interested in various fields of knowledge. The Woman's College Lecture Series brings other eminent guests to the campus. In addition to these lectures, a number of distinguished speakers appear each year on the programs of various schools and departments of the University.

Among the guest lecturers in 1939-40 were Mr. Archibald Rutledge, Poet Laureate of South Carolina; Mr. Turner Catledge, Washington correspondent of the *New York Times*; Mr. Victor Wolfgang von Hagen, writer and explorer; Mr. Alfred Duff Cooper, former First Lord of the British Admiralty; Mr. H. R. Knickerbocker, war correspondent for the International News Service.

### THE UNIVERSITY PRESS

As far back as 1897 Trinity College began sponsoring the publication of *The Papers of the Trinity College Historical Society*, which were distributed to members of the Society and on exchange to other institutions. This was the first publishing venture of the College.

In 1902, the 9019, an honor scholastic society on the campus, sponsored the launching of *The South Atlantic Quarterly*, which was later taken over by the Press.

In 1925 after the acceptance of the indenture of trust of James B. Duke, Trinity College became Duke University, and the following year the University Press was organized to publish the results of research engaged in by the Faculty and such other works as were approved by a board of editors appointed for the purpose. One of the first steps of the new organization was to revive *The Hispanic American Historical Review*, which had been founded and published from 1918 to 1922 by a group of scholars interested in Hispanic America. Since 1926 its publication has been continued without interruption and its mission has been supplemented by the publication of many studies dealing with the history, politics, and foreign relations of the Hispanic nations of the New World.



In 1929 *American Literature* was begun with the co-operation of the American Literature Group of the Modern Language Association. This journal was followed in 1931 by *Ecological Monographs*, a quarterly sponsored by the Ecological Society of America to take care of papers too long for inclusion in *Ecology*.

*Character and Personality* was founded in 1932 to offer a medium for the publication of studies in fields related to this phase of psychology. It is an international quarterly which appears simultaneously in the United States and Great Britain. A German edition formerly published in Germany has been forced to suspend publication.

Besides these regular quarterly publications the Press has issued *Duke University Psychological Monographs*, the title of which has been changed to *Contributions to Psychological Theory*, and *Duke University Research Studies in Education* sponsored by the Department of Education of the University.

In 1935 the Press started the publication of the *Duke Mathematical Journal*, with the co-operation of the Mathematical Association of America, and *The Journal of Parapsychology* (1937)\* for the publication of the results of research in psychoanalysis, mental telepathy, and allied studies. For the Southern Association of Colleges and Secondary Schools, the Press publishes *The Southern Association Quarterly*, official organ of the Association. The Law School issues another quarterly, *Law and Contemporary Problems*, carrying a symposium of some important legal problem in each number.

Previous to the existence of the Press, Duke University, formerly Trinity College, had published several important books under its own imprint. Since the organization of the Press it has continued to offer to the public the products of able scholarly research. It has not limited its scope to any one field or to any one group of authors. In addition to the many works submitted by members of the Faculty, a great number of manuscripts by authors who had no connection with the University have been issued under the imprint of the Press.

In the broadest sense, the policy of the Press is to give to the public any work which, because of the merit of its contents, its style, and its general value, deserves publication.

### THE BUREAU OF APPOINTMENTS

The University maintains a Bureau of Appointments, whose services are extended to all graduate students without charge. Although placement of students in employment is most frequent in the fields of high-school teaching and industrial or commercial work, graduate students interested in college teaching or other activities should register with the Bureau and provide letters of recommendation in order to make available in one center information respecting their various qualifications for the employment they seek.

\* This periodical is now published twice a year by its editors, Professors Gardner Murphy of Columbia University and Bernard F. Riess of Hunter College, in New York City.

**GRADUATE STUDY IN THE SUMMER SCHOOL**

The Duke University Summer School is divided into two consecutive terms of six weeks each, in 1940 beginning June 12 and ending September 3. Graduate students who wish to work toward advanced degrees in the Summer School, particularly in Education, English, and History, will find a wide selection of courses offered by members of the Duke Faculty and by visiting professors. Students in Botany and Zoology have unusual opportunities for research and study at the Marine Laboratory near Beaufort, North Carolina, besides regular course offerings at the University.

Graduate students who present more than fifteen semester hours earned in summer sessions toward the Master's degree must meet a minimum residence requirement of thirty-three weeks. No graduate student may register for more than six semester hours of credit in one summer session of six weeks. All the work presented for the Master's degree must be completed within six years from the date of beginning. Work completed earlier is not accepted toward either the course or residence requirements. Not more than one year of summer work is accepted toward the residence requirements for the Ph.D. degree.

A bulletin containing information regarding the graduate courses to be offered during the summer of 1940 may be obtained by addressing the Director of the Summer School, Duke University, Durham, N. C. Summer School graduate students who desire to be admitted to graduate courses to work toward advanced degrees should make application to the Dean of the Graduate School by May 25 for admission to the first summer session and by July 15 for admission to the second summer session. They should also request the registrar of the college(s) attended to send to the Dean of the Graduate School an official transcript of their undergraduate record.

## COURSES OF INSTRUCTION

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Unless otherwise stated, all courses listed in this catalogue will be given on the West Campus. For those courses offered on the East Campus (E) will be inserted following the description. In general, courses with odd numbers are offered in the first semester, those with even numbers in the second semester. Some seminars bearing a single number continue throughout the year; in such cases it is indicated whether the semester hours of credit apply to the year or to each semester.

### DIVISION OF ANCIENT LANGUAGES AND LITERATURES

PROFESSOR BRANSCOMB, CHAIRMAN; PROFESSORS PEPPLER, ROGERS, AND ROSBOROUGH; \* ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS CLARK, GATES, AND WAY; DRS. ROSE AND TRUESDALE

#### GREEK

FOR SENIORS AND GRADUATES

- 201-202. Greek Tragedy.—6 s.h. PROFESSOR PEPPLER
- 203-204. Homer.—*Odyssey*. Pindar and Bacchylides. 6 s.h. DR. TRUESDALE
- 205-206. Greek Historians.—6 s.h. PROFESSOR PEPPLER
- 207-208. Greek Orators.—6 s.h. ASSISTANT PROFESSOR WAY
- 209-210. Plato.—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h. ASSISTANT PROFESSOR WAY
- 211-212. Aristophanes.—6 s.h. PROFESSOR, PEPPLER  
(Only one of the six courses listed above is offered each year.)
243. Athenian Topography.—The topography and monuments of ancient Athens. 3 s.h. ASSISTANT PROFESSOR WAY
244. Greek Epigraphy.—Lectures on the history of the alphabet and the development of the local Greek alphabets, followed by extensive reading of inscriptional texts in facsimile. 3 s.h. ASSISTANT PROFESSOR WAY
245. Greek Dialects.—A linguistic study of transliterated inscriptions illustrative of the major Greek dialects. The interrelations of the dialectal forms are examined, with reference, where possible, to their origin in pre-ethnic Greek. 3 s.h. ASSISTANT PROFESSOR WAY
246. Greek Historical Inscriptions.—The more valuable historical inscriptions are read in chronological order and interpreted in their general bearing upon the course of Greek history. 3 s.h. ASSISTANT PROFESSOR WAY
- 247-248. Greek Archaeology.—Advanced course in the general field for Seniors and Graduates, comprising architecture, sculpture, vases, and the minor arts. 6 s.h. ASSISTANT PROFESSOR WAY

(Of the courses numbered from 243 to 248, only two semester-courses are offered each year.)

\* Absent on leave, 1940-41.

## FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in *Aristophanes* (301-302), *The Greek Historians* (303-304), *The Attic Orators* (305-306), and *The Greek Tragic Poets* (307-308). These run through a cycle of four years. In 1940-41 the work will be:

307-308. Seminar in the Greek Tragic Poets.—6 s.h. PROFESSOR PEPPLER

## RELATED COURSES IN OTHER DEPARTMENTS

Phil. 217. Philosophy of Aristotle.—3 s.h. DR. McLARTY

N.T. 218. Galatians and I Corinthians.—3 s.h.  
ASSISTANT PROFESSOR CLARK

N.T. 315. Hellenistic Religions at the Beginning of the Christian Era.—3 s.h.  
ASSISTANT PROFESSOR CLARK

N.T. 318. The Text of the New Testament.—3 s.h.  
ASSISTANT PROFESSOR CLARK

By a co-operative arrangement graduate students of Duke University may take the following courses at the University of North Carolina with the approval of the Dean of the Graduate School and the Head of the Greek Department at Duke:

Homer.	Professor Epps
Greek Tragedy.	Professor Epps
Greek Comedy.	Professor Epps
The Greek New Testament.	Professor Epps
Greek Historians.	Professor Harland
Hellenic Literature and Its Historical Setting.	Professor Harland
Greek Seminar.	Professors Harland, Epps, and Sanders
The Aegean Civilization.	Professor Harland
Topography of Athens, Olympia, and Delphi.	Professor Harland
Archaeology of the Ancient Near East.	Professor Harland
Hellenic Architecture.	Professor Harland
Hellenic Sculpture.	Professor Harland
Greek Epigraphy.	Professor Harland

*Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.*

## LATIN AND ROMAN STUDIES

All candidates for the degree of Master of Arts are required to complete one Latin seminar of six semester hours, and candidates for the doctorate with a major in the Department are required to complete three seminars of six semester hours each. A satisfactory working knowledge of French and German is a necessity for graduate students in Classics, and Italian is desirable.

*N.B. All students desirous of pursuing any of the courses here listed are expected to attend the meeting of Staff and students at 2:00 P.M. in 207 Carr Building on the day before final registration day to get their courses arranged and scheduled.*

## FOR SENIORS AND GRADUATES

201. **Roman Fiction.**  
[Not offered in 1940-41]

202. **Latin Christian Writers.**  
[Not offered in 1940-41]

203-204. **Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.**—A study of this literary genre, and its development by Roman writers; extensive reading of the Roman epics. *Not offered if 205-206 is given.* 6 s.h. (E)  
ASSISTANT PROFESSOR GATES

205-206. **Roman Drama: Plautus, Terence, Seneca.**—A rapid reading course in which five plays of Plautus, three of Terence and two of Seneca are studied. 6 s.h. (E)  
ASSISTANT PROFESSOR GATES

207-208. **Roman Philosophy: Lucretius, Cicero, Seneca.**  
[Not offered in 1940-41]

209-210. **Vulgar Latin: Introduction to Romance Philology.**  
[Not offered in 1940-41]

211-212. **Roman Oratory.**  
[Not offered in 1940-41]

215. **Introduction to Roman Art and Archaeology.**—*See course 216.*  
[Not offered in 1940-41]

216. **Topography and Monuments of Ancient Rome.**—Lectures and reports treating of the site, development and expansion of the City; city plan, public and private buildings, public works, materials and methods of constructions. *May be offered the first semester in 1940-41.* 3 s.h.  
PROFESSOR ROSBOROUGH

251-252. **Roman Life.**  
[Not offered in 1940-41]

281-282. **Roman Historical Literature.**—A comprehensive reading course in the works of the Roman historians. 6 s.h.  
PROFESSOR ROGERS

## FOR GRADUATES

309-310. **Sight Reading and Composition.**—Comprehensive reading in special fields of Roman Literature not included in other courses, with which the writing of Latin will be correlated. 6 s.h.  
PROFESSOR ROSBOROUGH AND DR. ROSE

311-312. **Latin Epigraphy.**—Introduction to Latin epigraphy, with considerable practice in reading short inscriptions, *first semester*; and this is followed by a study of important historical inscriptions including the Monumentum Ancyranum, *second semester.* 6 s.h.  
PROFESSOR ROSBOROUGH

375-376. **Greek and Latin Linguistics.**—A comparative study of the development of forms and flexions in Greek and Latin. 6 s.h.  
PROFESSOR ROSBOROUGH AND DR. ROSE

**Seminars:** Various authors are selected from year to year as a basis for training in criticism and research. Seminars are offered in the following: **Catullus (301-302), Roman Historians (331-332), Roman Provincial Administration (341-342), The Reign of Tiberius (343-344), Martial (351-352), Horace (361-362), and Cicero's Public Career (391-392).** The seminar planned for 1940-1941 is:

391-392. **Cicero's Public Career.**—6 s.h.

PROFESSOR ROGERS



The following courses offered by the University of North Carolina are, under a co-operative agreement, open to graduate students and seniors of Duke University upon approval of the Dean of the Graduate School and the Head of the Department of Latin and Roman Studies:

Roman Dramatic Literature.	Professor Harrer
Roman Historical Literature.	Professor Harrer
Prose Writings of the Republic.	Professor Sanders
Mediaeval Latin.	Professor Johnson
The Satires of Juvenal.	Professor Sanders
Latin Epigraphy.	Professor Harrer
Cicero: Political Career and Works.	Professor Harrer
Comparative Grammar of Greek and Latin.	Professor Lane
Latin Palaeography.	Professor Harrer
Latin Seminar.	Professors Harrer, Johnson, Sanders

### SANSKRIT

FOR SENIORS AND GRADUATES

Elementary Sanskrit. PROFESSOR LANE (U.N.C.)

### SEMITICS

FOR SENIORS AND GRADUATES

O. T. 201-202. **First Hebrew.**—The principles and structure of the Hebrew language, with translations of selected Old Testament narratives. 6 s.h.  
ASSOCIATE PROFESSOR STINESPRING

FOR GRADUATES

O. T. 304. **Aramaic.**—A study of the Aramaic portions of the Old Testament, and selected passages from the Targums, Midrashes, and Talmuds. 3 s.h.  
ASSOCIATE PROFESSOR STINESPRING

O. T. 305-306. **Elementary Arabic.**—Introduction to the classical language and literature, with some attention to the modern colloquial idiom. 6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR STINESPRING

O. T. 307-308. **Second Hebrew.**—Samuel or Kings the first semester; Isaiah the second. 6 s.h.  
ASSOCIATE PROFESSOR STINESPRING

O. T. 309. **History of the Ancient Near East.**—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archeology. 3 s.h.  
ASSOCIATE PROFESSOR STINESPRING

N. T. 316. **Judaism at the Beginning of the Christian Era.**—3 s.h.  
PROFESSOR BRANSCOMB

### BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN—203 BIOLOGY BUILDING; PROFESSOR WOLF, DIRECTOR OF GRADUATE STUDIES—315 BIOLOGY BUILDING; ASSOCIATE PROFESSORS HARRAR AND KRAMER; ASSISTANT PROFESSORS ADDOMS, OOSTING, AND PERRY; DR. ANDERSON

FOR SENIORS AND GRADUATES

202. **Genetics.**—The principles of heredity, their cytological basis, and their bearing on other fields of biology. Laboratory work involves experimental breeding of the fruit fly and interpretation of data from the breeding of plants. Offered in alternate years. Prerequisites: one year of botany, zoology, or equivalent, and college algebra. 4 s.h.

ASSISTANT PROFESSOR PERRY

203. **Plant Cytology.**—A study of the structure and organization of plant cells in relation to growth, reproduction, and especially heredity. Prerequisite: two years of botany. 4 s.h. DR. ANDERSON

204. **Advanced Plant Anatomy.**—The structure of vegetative and reproductive organs of seed plants, including a consideration of seedling anatomy. Special reference is made to plants of economic importance. Offered in alternate years. Prerequisite: Botany 55 or equivalent. 4 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR ADDOMS

216. **Botanical Microtechnique.**—Studies in methods of preparing temporary and permanent microscopical slides; theory of staining; the use of the microscope, especially microscopical measurements, drawing, and photomicrography, botanical photography, and lantern slides. Prerequisite: three semesters of botany. 4 s.h. DR. ANDERSON  
[Not offered in 1940-41]

221. **Structure and Classification of Fungi.**—Prerequisite: two years of botany. 4 s.h. PROFESSOR WOLF

225-226. **Special Problems.**—Students with adequate training may do special work in the following fields. Credits to be arranged.

(a) Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF

(b) Cytology. DR. ANDERSON

(c) Ecology. ASSISTANT PROFESSOR OOSTING

(d) Genetics. ASSISTANT PROFESSOR PERRY

(e) Morphology and Anatomy of Higher Plants.  
ASSOCIATE PROFESSOR HARRAR, ASSISTANT  
PROFESSORS OOSTING AND ADDOMS

(f) Morphology and Taxonomy of Lower Groups.  
PROFESSOR BLOMQUIST AND DR. ANDERSON

(g) Physiology. ASSOCIATE PROFESSOR KRAMER AND  
ASSISTANT PROFESSOR ADDOMS

(h) Plant Microchemistry. ASSISTANT PROFESSOR ADDOMS

(i) Taxonomy of Higher Groups. PROFESSOR BLOMQUIST

252. **Advanced Plant Physiology.**—The physico-chemical processes and conditions underlying the physiological processes of plants. Prerequisite: Botany 151 or equivalent; organic chemistry recommended. 4 s.h.  
ASSOCIATE PROFESSOR KRAMER

255. **Advanced Taxonomy.**—A study of the historical background of plant taxonomy, modern concepts and systems of classification, nomenclatorial problems and the taxonomy of specialized groups. Prerequisite: two years of botany, including Botany 52 or equivalent. 4 s.h. PROFESSOR BLOMQUIST

256. **Field Ecology.**—An ecological survey of local vegetation, including theory and practice in the use of instruments for precise habitat studies, and analysis of community and successional relationships. Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h. ASSISTANT PROFESSOR OOSTING  
[Not offered in 1940-41]

## FOR GRADUATES

**305. Plant Geography.**—The distribution and limits of vegetation types with special consideration of the plant communities of North America. Offered in alternate years. Prerequisite: Botany 156 or equivalent. 4 s.h.

ASSISTANT PROFESSOR OOSTING

**310. Structure and Classification of Bryophytes and Pteridophytes.**—The morphological and systematic characteristics of mosses, liverworts, ferns, and fern allies. Prerequisite: two years of botany. 4 s.h.

PROFESSOR BLOMQUIST

**311. Structure and Classification of Algae.**—The morphological and ecological characteristics of the common freshwater and marine forms and the principles underlying their classification. Collecting, identification and the making of permanent microscopical preparations. Prerequisite: two years of botany. 4 s.h.

PROFESSOR BLOMQUIST

**341. Methods in Plant Physiology.**—The theory and use of apparatus and methods in physiological research. 4 s.h. [Not offered in 1940-41]

ASSOCIATE PROFESSOR KRAMER

**342. Plant Microchemistry.**—The identification and estimation of the constituents of plant cells by the use of microchemical tests. Offered in alternate years. 2 s.h.

ASSISTANT PROFESSOR ADDOMS

**359-360. Research in Botany.**—Individual investigation in the various fields of botany. Credits to be arranged.

STAFF

**397-398. General Botanical Seminar.**—One hour per week throughout the year. Required of all graduates majoring in botany. 2 s.h.

STAFF

## FOREST BOTANY

## FOR SENIORS AND GRADUATES

**224. Forest Pathology.**—Special reference to diseases of forest trees. Offered in alternate years. Prerequisites: Botany 1, 2, 3 or 4 s.h.

PROFESSOR WOLF

**253. Dendrology.**—The characteristics, identification, and taxonomy of trees and shrubs with special reference to species native to North Carolina and other important forest regions of the United States. Studies of special groups included. Prerequisite: two years of botany. 4 s.h.

ASSOCIATE PROFESSOR HARRAR

## RELATED COURSES IN OTHER DEPARTMENTS

These related courses may be counted toward a major in Botany.

**Zoology 341. Historical and Philosophical Zoology.**—2 s.h.

PROFESSOR HARGITT

**Forestry 257. Design of Forestry Experiments and Analysis of Data.**—5 s.h.

PROFESSOR SCHUMACHER

## CHEMISTRY

PROFESSOR GROSS, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—219 CHEMISTRY BUILDING; PROFESSORS LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER\* AND SAYLOR; DR. BRADSHER, BROWN, HILL, AND HOBBS

The graduate work in the Department is planned so as to provide a broad basic training in the fields of inorganic, organic, analytical and physical chemistry. The selection of the research problem for the A.M. or Ph.D. degree determines in which field further specialization takes place.

\* Absent on leave, first semester, 1940-41.

In the requirements for the Ph.D. degree the most emphasis is placed on the successful completion, under the direction of a member of the Staff, of a research program leading to the solution of an original problem.

## FOR SENIORS AND GRADUATES

**215-216. Advanced Inorganic Chemistry.**—A study of modern theories of valence and molecular structure; also of inorganic compounds, particularly the less common types, the colloidal state of matter, and the phase rule, illustrated by suitable laboratory preparations. Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214 and ability to read German are desirable. 6 s.h.

PROFESSOR VOSBURGH AND DR. HILL

[Not offered in 1940-41]

**241. Physiological Chemistry.**—A study of the chemistry of human physiology. Clinical aspects of the subject are treated with reference to the need of prospective medical students. Two recitations and six laboratory hours. Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. 4 s.h.

PROFESSOR WILSON

**242. Metabolism.**—Open to students who have completed course 241 or its equivalent, and who have a reading knowledge of German. Lectures and collateral reading deal with the probable fate of foodstuffs in the body, the nitrogen balance, energy requirement, nutritive ratios, vital factors, and ductless glands. The laboratory work consists mainly of blood analysis under both normal and pathological conditions. The laboratory or lectures may be taken separately. Two lectures, credit 2 s.h., and 6 laboratory hours, credit 2 s.h. 4 s.h.

PROFESSOR WILSON

**253-254. Advanced Organic Chemistry.**—A continuation of Chemistry 151-152, including discussion of the theories of organic chemistry. The laboratory work will include qualitative organic analysis, together with preparations of the more difficult type, requiring reference to the original literature. Two lectures and three or six laboratory hours. Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. 6 or 8 s.h.

ASSOCIATE PROFESSOR BIGELOW, ASSISTANT  
PROFESSOR HAUSER, AND DR. BROWN

**261-262. Physical Chemistry.**—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Two recitations and three laboratory hours. Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent and Mathematics 7-8 or equivalent. Calculus is desirable but is not required. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. 6 s.h.

PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS

**271. Introduction to Research.**—Lectures on the use of chemical literature, research methods, recording and publication of results, preparation of theses and other topics. One lecture. 1 s.h.

PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR BIGELOW  
[Not offered in 1940-41]

**273-274. Seminar.**—Required of all graduate students in chemistry. One hour a week discussion. 2 s.h.

PROFESSORS GROSS AND VOSBURGH; ASSOCIATE PROFESSOR BIGELOW;  
ASSISTANT PROFESSORS HAUSER AND SAYLOR; DRs.  
BRADSHER, BROWN, HILL, AND HOBBS

**275-276. Research.**—The aim of this course is to give instruction in methods used in the investigation of original problems. It is open to Seniors who have had courses 70, 151-152, and who are taking 261-262. Nine hours a week and conferences. 3 or 6 s.h.

PROFESSORS GROSS, LONDON, VOSBURGH AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER AND SAYLOR; DRs. BRADSHER, BROWN, HILL, AND HOBBS

FOR GRADUATES

**303. Thermodynamics.**—Fundamental laws of thermodynamics and their applications to chemistry and physics. Offered jointly by the Departments of Chemistry and Physics. 3 s.h.

PROFESSORS GROSS AND SPONER

**304. Chemical Thermodynamics.**—A continuation of course 303 with emphasis on applications to chemical problems. The topics considered include chemical equilibrium, theory of solutions, reaction kinetics and dipole theory. 3 s.h.

PROFESSORS GROSS AND VOSBURGH

**351-352. Advanced Synthetic Organic Chemistry.**—Recent advances in certain selected fields, such as medicinals, dyes, perfumes, terpenes, and alkaloids, will be discussed. The emphasis will be placed on structure studies and synthetic methods. Lecture or seminar one hour each week. 2 s.h.

ASSOCIATE PROFESSOR BIGELOW AND ASSISTANT PROFESSOR HAUSER

**363-364. Advanced Physical Chemistry.**—A discussion of selected theories of solution, of reaction velocity and catalysis and of molecular forces and structure. Prerequisites: Chemistry 261-262 or its equivalent and calculus. 6 s.h.

PROFESSORS GROSS AND VOSBURGH; ASSISTANT PROFESSOR SAYLOR; DRs. HILL AND HOBBS

**365-366. Chemical Physics. Statistical Theory, Principles and Applications.**—General introduction to statistical methods and applications to chemical problems; solution theory, reaction velocity, changes of state, quantum statistics and the metallic state. Two lectures and one conference. 6 s.h.

PROFESSOR LONDON

**367-368. Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.**—Theories of the chemical bond; atomic and molecular forces. Two lectures and one conference. 6 s.h.

PROFESSOR LONDON

[Not offered in 1940-41]

RELATED COURSES IN OTHER DEPARTMENTS

BIOCHEMISTRY

**M241. General Biochemistry.**—Prerequisites: general chemistry, organic chemistry, elementary physical and analytical chemistry and at least one year of college biology. *Winter quarter.* 6 s.h.

DRs. PERLZWEIG AND TAYLOR, AND STAFF

**M242. Biochemical Preparations.**—Prerequisite: Biochemistry M241. *Spring, summer, fall quarters.* Hours by arrangement. 2 s.h.

DR. TAYLOR AND STAFF

**M243-244. Physical Chemical and Colloid Chemical Principles of Biochemistry.**—Two hours per week throughout the year.

DR. NEURATH

**M341. Pathological Chemistry.**—Two hours per week by arrangement. *Winter, spring, and summer quarters.* Prerequisites: Biochemistry M241 and Physiology M261-2.

DRs. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM



**M363-4. Advanced Seminar in Nutrition.**—Prerequisites: Biochemistry M241 and Physiology M261 or equivalents. Two hours weekly. 4 s.h.

DR. DANN

**BOTANY**

**342. Plant Microchemistry.**—2 s.h. ASSISTANT PROFESSOR ADDOMS

**PHYSICS**

**323. Theory of Atomic Spectra.**—3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]

**324. Theory of Molecular Spectra.**—3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]

**ECONOMICS AND BUSINESS ADMINISTRATION**

PROFESSOR GLASSON, CHAIRMAN—105 SCHOOL OF RELIGION; PROFESSOR HAMILTON, DIRECTOR OF GRADUATE STUDIES—503 LIBRARY; PROFESSORS HOOVER, SPENGLER, AND VON BECKERATH; ASSOCIATE PROFESSORS DE VYVER AND RATCHFORD; ASSISTANT PROFESSORS BLACK, EITEMAN, LESTER, AND SPRINGER

FOR SENIORS AND GRADUATES

**217. Business Cycles.**—Description and analysis of the causes and consequences of economic rhythms and movements of various lengths (e.g., seasonal, cyclical, long-period, etc.). Analysis of methods proposed as means of curtailing such movements, or of mitigating their effects. 3 s.h.

PROFESSOR SPENGLER

**218. Population Problems and the Standard of Living.**—A critical survey of the economic laws of returns and of pre- and post-Malthusian population theory; consideration of the relation between natural increase and the laws of economic distribution and of the effects of changes in the rate of natural increase upon various classes of industry and upon employment; examination of the factors which govern population growth and of current population trends; analysis of international economic and political problems which are founded upon population pressure; consideration of the economic and the biological aspects of differential birth rates. 3 s.h.

PROFESSOR SPENGLER

**230. Public Debts in the United States.**—A study of the characteristics of public credit as shown by the experience of national, state, and local governments in the United States. Topics considered include: forms, methods, and purposes of borrowing; effects of the contraction and repayment of debts on governmental fiscal policies, the banking and credit system, and business activity; methods of controlling or limiting debts; refunding and adjustment procedures; defaults and repudiations. 3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

**231. The Economic History of Modern Europe.**—A study of the economic development of Europe since the sixteenth century, treating such topics as the guilds, mercantilism, money, banking, crises, the commercial revolution, and the industrial revolution. The rise of modern capitalism and the historical backgrounds of present economic problems will be emphasized. 3 s.h.

PROFESSOR HAMILTON

**232. The Economic History of the United States.**—A study of the agricultural, industrial, commercial, and financial progress of the United States from Colonial times to the present day. Special attention will be devoted to mass production, business cycles, great fortunes, and the relationships between government and business. 3 s.h.

PROFESSOR HAMILTON

**233. State and Local Finance.**—A study of expenditures, taxation, and financial administration in state and local governments with emphasis on current problems. Special attention will be given to research methods and materials and to the financial relations between state and local governments. Prerequisite: Economics 187 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

**234. Federal Finance.**—A study of the expenditures, revenues, and financial administration of the government of the United States, with emphasis on current problems. Special attention given to budgetary procedure, corporate and individual income taxes, and the financial relations between federal and state governments. Prerequisite: Economics 187 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

**237-238. Statistical Methods.**—A study of statistical methods appropriate for dealing with problems in business and the social sciences. In addition to developing more thoroughly the subjects considered in *Business Statistics*, the following methods will be considered: simple, multiple, partial, and curvilinear correlation; curve fitting; probability; frequency distributions; and reliability of estimates. Prerequisite: Business Statistics 138 or consent of the instructor. 6 s.h.

ASSISTANT PROFESSOR SPRINGER

**239. Prices.**—A theoretical study of the forces governing price behavior and an historical examination of the fluctuations, disparities, and trends of European and American prices, particularly in periods marked by acute monetary disorder or by rapid change in the stock of the precious metals. Special attention will be devoted to post-war inflation in France and Germany and to the world-wide collapse of prices after 1929. 3 s.h.

PROFESSOR HAMILTON

**241-242. Value and Distribution.**—This course is a critical survey of the leading contemporary explanations of price formation and of the determination of interest, rent, wages, and profits. 6 s.h.

PROFESSOR SPENGLER

**245-246. Problems of Modern Industrialism.**—This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational requirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against the background of modern capitalism, the issue and trends of public policy with respect to economic organization in America and Europe are compared and appraised. 6 s.h.

PROFESSOR VON BECKERATH

**253. Labor Problems.**—An examination of present-day labor problems followed by an intensive study of methods used by employers and workers in meeting those problems. 3 s.h.

ASSOCIATE PROFESSOR DE VYVER

**256. Labor Legislation.**—A study of the relations of the state to labor problems with special reference to remedial legislation, to interference in labor disputes, and to social insurance. Prerequisite: Economics 51-52; Economics 253, or with the consent of the instructor. 3 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR DE VYVER

**260. Social Insurance.**—A consideration of the economic and social problems involved in workmen's compensation laws, unemployment insurance, old-age pensions, and health insurance for workers. Particular attention will be given to the present federal and state social security legislation. 3 s.h.

ASSOCIATE PROFESSOR DE VYVER

**265. International Trade and Tariff Policies.**—An analysis of the theoretical principles underlying international trade with an historical study of the foreign trade and tariff policies of the United States, France, Germany, and England from the eighteenth century to the present. 3 s.h.

PROFESSOR VON BECKERATH

**266. International Finance.**—A study of the mechanism of international payment with attention to international movements of capital, the peculiarities of an inconvertible paper money regime, and related problems. 3 s.h.

PROFESSOR HAMILTON

**268. Competitive versus Monopolistic Enterprise.**—(1) Competition as an economic order; (2) competition as a political order; (3) monopoly as a disturbance of (1) and of (2). (4) What can government do for the maintenance of the competitive order? (5) What can the judiciary do for the maintenance of the competitive order? (6) What can business do for the maintenance of the competitive order? (7) Limits and difficulties of a liberal solution. (8) Short discussion of different types of compromise solutions, both in the governmental and the economic field. 3 s.h.

PROFESSOR VON BECKERATH

**275-276. Advanced Industrial Accounting and Management.**—This course traces the ways and means of executive control through statistics and industrial accountancy. Emphasis is put upon the economics of overhead costs. A complete practice set of cost accounting is worked by each student during the course. Courses 57-58 and 105 are ordinarily prerequisites for this course. 6 s.h.

ASSISTANT PROFESSOR BLACK

#### FOR GRADUATES

**311-312. History of Political Economy.**—This course traces the development of economic theory, giving special attention to the various schools of economic thought in England, France, Germany, and the United States. A large amount of collateral reading in the works of typical authors is required. Lectures and class discussions. 6 s.h.

PROFESSOR HAMILTON

**313-314. Seminar in Economic Theory.**—The course consists of directed research in economic theory. The primary purpose is the correction of authoritative eclecticism and its replacement by individually integrated theory. Prerequisite: Economics 241-242 or its equivalent. 6 s.h.

PROFESSOR HOOVER

**315. Economic Systems.**—A study of alternative economic systems. In addition to an analysis of communism, anarchism, and the variants of socialism, the course will include a consideration of other proposed modifications of the existing economic order. Credit for this course will be given only if the student takes Economics 316. 3 s.h.

PROFESSOR HOOVER

**316. Economic Functions of the State.**—A consideration of the primary and secondary economic functions of government and of the legislation which provides for the performance of these functions, such as social legislation and the regulation of commerce and industry. Prerequisite: Economics 315 or its equivalent. 3 s.h.

PROFESSOR HOOVER

**318. General Seminar in Economics.**—All graduate students with economics as a major subject are members of this seminar. Reports of progress in research will be made, and there will be lectures and critical discussion by members of the Department. Year course. No credit.

STAFF

#### RELATED COURSES IN OTHER DEPARTMENTS

Attention is called to the following courses in related departments:

**Forestry 279. Economics of Forestry.**—3 s.h.

ASSOCIATE PROFESSOR THOMSON

**History 219-220. The History of the European Proletariat.**—6 s.h.

[Not offered in 1940-41]

PROFESSOR CARROLL

**Political Science 207. American Constitutional Law and Theory.**—3 s.h.

PROFESSOR WILSON

Political Science 209. State and Local Government in the United States.—  
3 s.h. PROFESSOR RANKIN

Political Science 271. Socio-Politics and Capitalism.—3 s.h.  
PROFESSOR VON BECKERATH

Sociology 219. Urban Sociology.—3 s.h. ASSISTANT PROFESSOR THOMPSON

Sociology 220. Rural Sociology.—3 s.h. ASSISTANT PROFESSOR THOMPSON

Sociology 227. Emigration and Immigration.—3 s.h.  
[Not offered in 1940-41] PROFESSOR JENSEN

### EDUCATION

PROFESSOR HOLTON, CHAIRMAN—113 ADMINISTRATION BUILDING; PROFESSOR BROWN-ELL,\* DIRECTOR OF GRADUATE STUDIES—1C WEST DUKE BUILDING; PROFESSORS CARR, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR SCATES; ASSISTANT PROFESSOR EASLEY

The Department offers a full major of work in educational psychology toward the degree of Doctor of Philosophy, with approved minors in as many as two of the divisions listed for the Master's degree, and an approved minor in psychology or in some other department offering work closely related to the thesis problem of the candidate. It is planned to offer complete majors in other divisions as rapidly as the growth of the Department justifies.

The Department offers work toward the Master of Arts and Master of Education degrees, and minor work toward the Doctor of Philosophy degree, in the divisions of elementary education, experimental education and educational psychology, history and philosophy of education, public school administration, and secondary education and educational sociology. It is important for students who are degree candidates to choose their course according to some unified plan; they are reminded that mere accumulation of more or less unrelated courses in various divisions with minor work in some department only remotely related to the student's major work does not lead to a graduate degree. Every candidate for a Master's degree should elect at least six, and preferably twelve, semester hours of course work in the special division in which he intends to write his thesis. Students who expect to write theses in the history of education are required to take their minor work in American history. Students writing in school administration are advised to elect minor work in economics and political science. Students in educational psychology should elect their minor work in psychology. No student, except by special approval of the Department and of the Graduate School, is permitted to take minor work in more than one department or to the amount of more than six semester hours.

### ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. **Technique of Teaching.**—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. 3 s.h. (E) PROFESSOR CARR  
[Not offered in 1940-41]

212. **Psychology of the Elementary School Subjects.**—A study of the psychology of learning as applied to teaching the common school subjects. 3 s.h. (E) PROFESSOR CARR

\* Absent on leave, 1940-41.



222. **The Curriculum and Materials of the Elementary Grades.**—A study of curriculum problems in the elementary schools. 3 s.h. PROFESSOR CARR

232. **Elementary School Supervision.**—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. 3 s.h. (E) PROFESSOR CARR

[Not offered in 1940-41]

### EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

#### FOR SENIORS AND GRADUATES

208. **Mental Tests and Applications.**—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. Prerequisite: course 258 or six semester hours of other work in educational psychology or psychology. 3 s.h. (E) ASSISTANT PROFESSOR EASLEY

209. **Statistical Methods Applied to Education.**—A study of statistical methods of treating educational and social data designed to enable teachers or administrators to interpret and use the results of scientific investigations in education. 2 s.h. ASSOCIATE PROFESSOR SCATES

216. **Psychological Principles of Secondary Education.**—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. 3 s.h. PROFESSOR CHILDS  
[Not offered in 1940-41]

217. **Advanced Educational Psychology.**—A systematic survey of the field of educational psychology, required of all majors in that field. 3 s.h. (E) ASSISTANT PROFESSOR EASLEY

218. **Educational Implications of Genetic Psychology.**—Special section of course 118, intended primarily for graduate students, ordinarily not offered the same year in which 118 is given. Prerequisite: six semester hours of psychology or educational psychology. 3 s.h. (E) PROFESSOR BROWNELL  
[Not offered in 1940-41]

219. **Experimental Education.**—This course is designed to provide training (1) in planning, (2) in prosecuting, and (3) in reporting quantitative investigations in the field of education, more especially in the field of learning and teaching the various school subjects. 3 s.h. (E) PROFESSOR BROWNELL  
[Not offered in 1940-41]

227. **The Psychology of Learning: Problems.**—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. 3 s.h. ASSISTANT PROFESSOR EASLEY

228. **The Psychology of Learning: Theoretical and Experimental.**—This is a continuation of course 227. In this semester the laws of learning, the most important explanatory principles, and the major systems of psychology of learning will be considered. Class experiments will run throughout the semester. Prerequisite: course 227 or its equivalent. 3 s.h. ASSISTANT PROFESSOR EASLEY

237. **Investigations in Reading.**—A summary of the results of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing diagnosis, and supervision; emphasis on problems requiring further investigation. 3 s.h. (E) PROFESSOR CARR



**247. Investigations in Arithmetic.**—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. 3 s.h. PROFESSOR BROWNELL

[Not offered in 1940-41]

**258. Educational Measurements.**—A critical study of the principles and techniques involved in measurement in education, with opportunity for individual research. Prerequisite: twelve semester hours in the Department, including a course in educational psychology. 3 s.h. (E)

ASSOCIATE PROFESSOR SCATES

FOR GRADUATES

**307-308. Seminar in Educational Psychology.**—Required of graduate students in educational psychology. 4 s.h. (E) ASSISTANT PROFESSOR EASLEY

**309-310. Research in Educational Psychology.**—This course provides opportunity for more advanced graduate students to engage in individual research projects under close supervision. Credit allowed proportionate to achievement and time devoted to the course. Enrollment by permission of instructor only. 3 to 6 s.h. (E) PROFESSOR BROWNELL

[Not offered in 1940-41]

**Education 320. Advanced Educational Statistics.**—This course continues the work begun in Education 209, dealing particularly with further methods of correlation and with various applications to the theory of measurement. The course does not require a background of mathematics beyond high-school algebra. 3 s.h. ASSOCIATE PROFESSOR SCATES

**338. Research in Reading.**—A course designed for students who have original problems in reading which they desire to investigate. Such studies may be either individual or co-operative. Education 237 is advised as a preliminary course, but is not required. 3 s.h. PROFESSOR CARR

[Not offered in 1940-41]

**339. Research Course in Educational Tests.**—A study of problems in the construction and interpretation of tests. Prerequisite: the equivalent of course 258. 3 s.h. ASSOCIATE PROFESSOR SCATES

**348. Research in Arithmetic.**—A course designed for students who have original problems in arithmetic which they desire to investigate. Such studies may be either individual or co-operative. Education 247 is advised as a preliminary course, but is not required. 3 s.h. PROFESSOR BROWNELL

[Not offered in 1940-41]

HISTORY AND PHILOSOPHY OF EDUCATION

FOR SENIORS AND GRADUATES

**200. Introduction to the Philosophy of Education.**—A consideration of fundamental concepts underlying educational theory. 3 s.h. PROFESSOR HOLTON

**214. History of Education in the United States.**—A study of the development of the American public school and the interaction of higher education and the public school. 3 s.h. PROFESSOR HOLTON

[Not offered in 1940-41]

**244. Studies in the Historical Development of Public School Administration.**—An advanced course devoted to the development of public school administration in the South, with especial reference to North Carolina as a type. 3 s.h. PROFESSOR HOLTON

[Not offered in 1940-41]

254. **History of Secondary Education in the United States.**—A study of historical and comparative conceptions of the secondary school, changes in American life affecting the secondary school, present status of the secondary school, current tendencies toward expansion, and the problem of state and federal aid. *First semester.* 3 s.h. PROFESSOR PROCTOR

[Not offered in 1940-41]

264. **Recent Movements in American Education.**—An intensive study of educational thought and practice since 1900. 3 s.h. PROFESSOR HOLTON

[Not offered in 1940-41]

294. **Comparative Education: Recent Movements in European Educational Systems.**—A comparative study of the school systems of the principal countries of Europe, with emphasis upon changes since the World War. 3 s.h.

PROFESSOR CARR

#### PUBLIC SCHOOL ADMINISTRATION

##### FOR SENIORS AND GRADUATES

203. **Principles of School Administration.**—The fundamental facts and procedures of school administration, an analysis of the problems and policies of the organization and direction of a local school system, and the functions of the various school officials. Prerequisite: Education 103 and 58, or six semester hours of equivalent work in education. 3 s.h. PROFESSOR PROCTOR

233. **Administrative Pupil-Accounting.**—An advanced study of gradation and classification of pupils, with incidental attention to the keeping of records and the making of reports. The study includes a consideration of individual differences, promotions, acceleration, and retardation of pupils; the various plans for classification and gradation; interpreting the results of tests; and some practice in the computation of statistical measures. 3 s.h.

PROFESSOR PROCTOR

234. **Secondary School Organization and Administration.**—A study of the outstanding problems of secondary school organization and administration other than the problem of gradation and classification of pupils. 3 s.h.

PROFESSOR PROCTOR

253. **Legal Phases of School Administration.**—A study of judicial decisions and the development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. 3 s.h.

PROFESSOR HOLTON

[Not offered in 1940-41]

##### FOR GRADUATES

323. **Public School Finance.**—A study of educational costs, sources of revenue for the support of public education, collection of revenue, basis of distribution, and accounting for funds spent. *Second semester.* 3 s.h.

[Not offered in 1940-41]

PROFESSOR PROCTOR

343. **State and County School Administration.**—A study of state and county organization of public schools, emphasizing underlying principles. *Second semester.* 3 s.h.

PROFESSOR PROCTOR

363. **City School Administration.**—A study of the organization and administration of city school systems, including administrative phases of supervision. 3 s.h.

PROFESSOR PROCTOR

[Not offered in 1940-41]

## SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY

## FOR SENIORS AND GRADUATES

205. **Curriculum Problems in Secondary Education.**—A consideration of the aims and objectives of secondary school subjects, emphasizing practical problems of curriculum-making in the high school. 3 s.h. PROFESSOR CHILDS

206. **Sociological Foundations of the Secondary School Subjects.**—A consideration of the aims and objectives of the secondary school. Prerequisite: six semester hours in education, including course 105. 3 s.h.  
PROFESSOR CHILDS

225. **The Teaching of History and the Social Studies.**—Identical with History 211. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. 3 s.h.  
ASSISTANT PROFESSOR MANCHESTER

246. **The Teaching of Mathematics.**—Identical with Mathematics 204. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. 3 s.h. PROFESSOR RANKIN

266. **The Teaching of High-School French.**—Identical with French 218. 3 s.h. PROFESSOR WEBB

## METHODOLOGY OF RESEARCH

## FOR GRADUATES

300. **Methods of Educational Research: Seminar.**—Graduate students are instructed in methods of research as applied to selected educational problems. Each student must select for intensive study and practice a subject in which he is interested. 3 s.h.  
MEMBERS OF THE DEPARTMENT

## RELATED COURSES IN OTHER DEPARTMENTS

FOR MAJORS IN EDUCATIONAL PSYCHOLOGY, ELEMENTARY EDUCATION,  
AND SECONDARY EDUCATION

- Psychology 206. **Social Psychology.**—3 s.h. ASSOCIATE PROFESSOR ADAMS
- Psychology 209. **Experimental Methods in Human Psychology.**—4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ZENER
- Psychology 211. **Physiological Psychology.**—4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ZENER
- Psychology 216. **Seminar in Comparative Psychology.**—2 or 3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ADAMS
- Psychology 217. **Gestalt Theory.**—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
- Psychology 226. **Contemporary Schools of Psychology.**—*First semester.*  
3 s.h. ASSOCIATE PROFESSOR ZENER
- Psychology 306. **Seminar in Child Psychology.**—2 or 3 s.h.  
ASSOCIATE PROFESSOR ADAMS
- Psychology 309. **Theory of Learning.**—3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ADAMS
- Psychology 315. **Developmental Psychology.**—3 s.h.  
ASSOCIATE PROFESSOR ADAMS

Sociology 212. Child Welfare.—3 s.h. PROFESSOR JENSEN  
 [Not offered in 1940-41]

Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN  
 [Not offered in 1940-41]

Sociology 232. Cultural Anthropology.—3 s.h. PROFESSOR HART  
 [Not offered in 1940-41]

Sociology 319. Principles of Sociology.—3 s.h. PROFESSOR ELLWOOD

Sociology 320. History of Social Philosophy.—3 s.h.  
 PROFESSORS ELLWOOD AND JENSEN

FOR MAJORS IN PUBLIC SCHOOL ADMINISTRATION

Economics 230. Public Debts in the United States.—3 s.h.  
 ASSOCIATE PROFESSOR RATCHFORD

Political Science 209. State and Local Government in the United States.—  
 3 s.h. PROFESSOR RANKIN

Political Science 291. Municipal Government.—3 s.h. PROFESSOR RANKIN

Religion 365. Seminar in Character Education and the State.—2 s.h.  
 PROFESSOR SMITH

Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN  
 [Not offered in 1940-41]

FOR MAJORS IN HISTORY AND PHILOSOPHY OF EDUCATION

History 209-210. Constitutional History of the United States, 1763-1860.—  
 6 s.h. ASSISTANT PROFESSOR STILL

Philosophy 205. The Philosophy of History.—3 s.h. PROFESSOR WIDGERY

Philosophy 208. Political Philosophy.—3 s.h.  
 ASSOCIATE PROFESSOR MORGAN

Philosophy 223. Contemporary Philosophy.—*Second semester.* 3 s.h.  
 [Not offered in 1940-41] PROFESSOR WIDGERY

Religion 362. Ethical Theory of Christian Education.—3 s.h.  
 PROFESSOR SMITH

Religion 363-364. Religious Thought in the Rise of American Culture.—  
 6 s.h. PROFESSOR SMITH

Sociology 319. Principles of Sociology.—3 s.h. PROFESSOR ELLWOOD

Sociology 320. History of Social Philosophy.—3 s.h.  
 PROFESSORS ELLWOOD AND JENSEN

ENGLISH

PROFESSOR BROWN, CHAIRMAN—2A WEST DUKE BUILDING; PROFESSOR WHITE,  
 DIRECTOR OF GRADUATE STUDIES—401 LIBRARY; PROFESSORS BAUM,\*  
 GILBERT,\* GOHDES,\* HUBBELL, AND IRVING; ASSISTANT  
 PROFESSORS ALLEN, ANDERSON, AND WARD

All graduate students in English must pass a general examination before they will be admitted to candidacy for a degree. This examination is held at the beginning of the autumn semester and must be taken at that time by all new students. Those who do not pass will not be accepted as candidates for a degree during the year in which they fail, but they may take the examination offered to graduate students entering the Summer School at the opening of the first term of the following Summer School.

\* Absent on leave, second semester, 1940-41.

## FOR SENIORS AND GRADUATES

201-202. **Anglo-Saxon.**—The first half of the year is given to the reading of prose and to a study of the language; the second half, to the reading of *Beowulf*. 6 s.h. PROFESSOR BROWN

203-204. **Chaucer.**—The work consists of the reading and study of the principal *Canterbury Tales*, the *Troilus*, the minor poems, and some of the translations. Students prepare a reading report and a term paper. 6 s.h.  
[Only 203 offered in 1940-41] PROFESSOR BAUM

207-208. **English Literature, 1400-1550.**—6 s.h. PROFESSOR BAUM  
[Not offered in 1940-41]

209-210. **English Literature other than Drama, 1625-1700.**—6 s.h.  
ASSISTANT PROFESSOR WARD

211-212. **English Literature other than Drama, 1550-1625.**—6 s.h.  
ASSISTANT PROFESSOR ALLEN

213-214. **Folk-Lore and Folk-Songs.**—The course consists of an extensive study during the first semester of the field of folk-lore and during the second semester, of the ballad and of other folk-songs. 6 s.h. PROFESSOR BROWN

215-216. **Elizabethan Drama.**—6 s.h. ASSISTANT PROFESSOR ALLEN

217. **Spenser.**—In this course students make a detailed study of Spenser's work, giving special attention to the major poems. There are frequent written reports and one term paper. *Second semester.* 3 s.h.  
ASSISTANT PROFESSOR ALLEN

218. **Milton.**—A detailed study of Milton's prose and poetry with emphasis on the major poems constitutes the work of the course. There are frequent written reports and a term paper. *First semester.* 3 s.h. PROFESSOR GILBERT

219-220. **English Literature of the Eighteenth Century.**—The prose and poetry of the age of Pope are reviewed in the first semester, of the age of Johnson in the second. Term papers are required. 6 s.h. PROFESSOR IRVING

227-228. **Literary Criticism.**—The work of the course consists of a study of the history of literary criticism from Aristotle to the present. There are oral and written reports and a term paper. 6 s.h. PROFESSOR GILBERT  
[Only 227 offered in 1940-41]

229-230. **American Literature, 1800-1870.**—A survey of the principal writers of the period. There are term papers and two oral reports each semester. Seniors must have credit for English 137-138 or its equivalent. 6 s.h.  
PROFESSOR HUBBELL AND ASSISTANT PROFESSOR ANDERSON

231-232. **Special Studies in American Authors.**—6 s.h. PROFESSOR GOHDES  
[Not offered in 1940-41]

233-234. **American Literature since 1870.**—6 s.h.  
PROFESSOR GOHDES AND ASSISTANT PROFESSOR ANDERSON

239-240. **Shakespeare Problems.**—6 s.h. PROFESSOR BROWN  
[Not offered in 1940-41]

269-270. **Southern Literature and Culture.**—6 s.h. PROFESSOR HUBBELL  
[Only 269 offered in 1940-41]



## FOR GRADUATES

303-304. Studies in Elizabethan Literature.—6 s.h. PROFESSOR GILBERT  
[Not offered in 1940-41]

307-308. Southern Literature and Culture in the United States.—6 s.h.  
PROFESSOR HUBBELL

313-314. Studies in the Romantic Writers of the Early Nineteenth Century.—6 s.h. PROFESSOR WHITE  
[Not offered in 1940-41]

315-316. Middle English.—6 s.h. PROFESSOR BAUM  
[Only 315 offered in 1940-41]

317-318. Studies in Victorian Literature.—6 s.h. PROFESSOR BAUM  
[Only 317 offered in 1940-41]

349-350. Research Courses.—6 s.h.

Students who wish to elect one of these as a seminar course should consult the Director of Graduate Studies as early as possible.  
In 1940-41 (e), (h), and (i) are offered.

- |   |                               |
|---|-------------------------------|
| (a) Folk-Lore and the Ballad.                       | PROFESSOR BROWN               |
| (b) Shakespeare Problems.                           | PROFESSOR BROWN               |
| (c) English Language and Literature, 1200-1550.     | PROFESSOR BAUM                |
| (d) Victorian Literature.                           | PROFESSOR BAUM                |
| (e) Elizabethan and Seventeenth-Century Literature. | PROFESSOR GILBERT             |
| (f) Literary Criticism.                             | PROFESSOR GILBERT             |
| (g) The Eighteenth Century.                         | PROFESSOR IRVING              |
| (h) The Romantic Movement.                          | PROFESSOR WHITE               |
| (i) American Literature.                            | PROFESSORS HUBBELL AND GOHDES |

## RELATED COURSES IN OTHER DEPARTMENTS

The attention of students of English is directed to the following courses:  
German 301-302. Gothic—Middle High German.—6 s.h. PROFESSOR VOLLMER

Greek 201-202. Greek Tragedy.—6 s.h.  
PROFESSOR PEPLER AND ASSISTANT PROFESSOR WAY

History 221-222. The Age of the Renaissance.—6 s.h.  
ASSOCIATE PROFESSOR NELSON

History 223-224. Medieval Institutions and Culture.—6 s.h.  
ASSISTANT PROFESSOR QUINN

Philosophy 201-202. The Philosophy of Art.—6 s.h. (E) PROFESSOR GILBERT

Philosophy 213-214. History of Aesthetics.—6 s.h. (E) PROFESSOR GILBERT  
[Not offered in 1940-41]

Psychology 202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM

## FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—FEW  
 QUADRANGLE, HOUSE GG-010; PROFESSORS BEAL, SCHUMACHER, AND WOLF;  
 ASSOCIATE PROFESSORS HARRAR, KRAMER, MAUGHAN, AND  
 THOMSON; ASSISTANT PROFESSOR COILE

Major and minor work is offered in the more scientific aspects of forestry leading to the Master of Arts and Doctor of Philosophy degrees to students who have received degrees from professional schools of forestry of recognized standing or from approved colleges or universities. Work for these degrees may be pursued only in forest-tree physiology, wood anatomy and properties, forest pathology, silvics, forest soils, forest mensuration, forest management, forest entomology, and forest economics, except that a major cannot be taken in forest management. College graduates who have had specialized training in botany or soil science and in allied basic subjects, such as physics, chemistry, geology, and zoology, may pursue graduate study and research only in the specialized fields for which their previous work has qualified them. Students who do not have previous training in forestry will be required to complete a minimum of thirty semester hours of approved work in the Division of Forestry as a preliminary requirement for admission to candidacy for the A.M. and Ph.D. degrees. These men will not be regarded as professionally trained foresters. For information on professional training in forestry, see *Bulletin of the School of Forestry*.

## FOR SENIORS AND GRADUATES

**224. Forest Pathology.**—Special reference to diseases of forest trees. Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. 4 s.h.

PROFESSOR WOLF

**231. Forest Entomology.**—Morphology, general classification, life histories, and control of insects injurious to forest trees, logs, and lumber. 3 s.h.

PROFESSOR BEAL

**251. Sampling Methods in Forestry.**—Statistical background for solution of sampling problems with special reference to sample inventory of a forest property. Prerequisite: Forestry S151. 2 s.h.

PROFESSOR SCHUMACHER

**252. Forest Mensuration.**—Empirical equations and curve fitting appropriate for construction of timber yield tables, tree volume and taper tables; significance tests and graphical solution of equations. Assignments require operation of calculating machines. Prerequisite: Forestry 251. 2 s.h.

PROFESSOR SCHUMACHER

**253-254. Dendrology.**—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. 4 s.h.

ASSOCIATE PROFESSOR HARRAR

**257. Design of Forestry Experiments and Analysis of Data.**—Role of experimental design in field and laboratory, and statistical analysis of data as aspects of scientific method in forest research. 5 s.h.

PROFESSOR SCHUMACHER

**259. Wood Anatomy and Properties.**—Anatomical, chemical, and non-mechanical physical properties of wood; macroscopic and microscopic identification of more important woods of the United States. Prerequisites: One year of Botany and Chemistry 1 and 2, or equivalents. 3 s.h.

ASSOCIATE PROFESSOR HARRAR

**261. Forest Soils.**—Origin, development, and classification of soils with special emphasis on those developed in climates supporting forests; morphological, physical, and chemical properties of soils in relation to growth of trees; field identification, field sampling, laboratory analysis, and interpretation of field and laboratory observations; interrelationships of soil and forest cover. Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. **3 s.h.**

ASSISTANT PROFESSOR COILE

**264. Silvics.**—Ecological foundations of silviculture with special reference to forest site factors; influence of forests on their environment; growth and development of trees and stands; origin, development, and classification of forest communities; methods of studying forest environments. Desirable prerequisites: Plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. **3 s.h.**

PROFESSOR KORSTIAN

**276. Forest Policy.**—Critical study of forestry movement and development of a forest policy, particularly in the United States; brief résumé of forestry in important foreign countries; public land laws of the United States; development of federal and state forestry; forestry laws. **2 s.h.**

ASSOCIATE PROFESSOR THOMSON

**279. Economics of Forestry.**—Principles of forest economics. Economic and social values of forests; forest resources and wood requirements; economics of wood production and consumption; prices of forest products; forestry and public finance; forestry and land use; forestry credit; forest fire insurance; forestry as a private business enterprise. Prerequisite; at least one course in the principles of economics. **3 s.h.**

ASSOCIATE PROFESSOR THOMSON

#### FOR GRADUATES

**323-324. Advanced Forest Pathology.**—Advanced study and research on life histories and control of diseases of forest trees to meet individual needs of graduate students. Prerequisites: plant physiology and forest pathology. Credits to be arranged.

PROFESSOR WOLF

**351-352. Advanced Physiology of Forest Trees.**—Advanced study and research on problems in physiology of forest trees to meet individual needs of graduate students. Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged.

ASSOCIATE PROFESSOR KRAMER

**354. Forest Soil Fertility.**—Experimental approach to the problems of fertility in forest soil. Influence of stand composition on nitrogen transformation. Methods of studying the exchange complex and the significance of base exchange in forest soil fertility. Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. **3 s.h.**

ASSISTANT PROFESSOR COILE

**356. Economic Forces in Forestry.**—Analysis of classical and contemporary theories of forest valuation. Principles underlying the measurement of forces determining forestry values. Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. **2 s.h.**

ASSOCIATE PROFESSOR THOMSON

**357-358. Research in Forestry.**—Credits to be arranged. Students who have had adequate training may do research under direction of members of the Faculty in the following branches of forestry:

a. **Silvics.**—Prerequisites: Forestry 253-254, 261, and 264, or equivalents.

PROFESSOR KORSTIAN

- b. **Forest Soils.**—Prerequisite: Forestry 261 or equivalent.  
ASSISTANT PROFESSOR COILE
- d. **Forest Management.**—Prerequisite: Forestry 281 or equivalent.  
ASSOCIATE PROFESSOR MAUGHAN
- e. **Forest Economics.**—Prerequisite: Forestry 279 or equivalent.  
ASSOCIATE PROFESSOR THOMSON
- f. **Wood Anatomy and Properties.**—Prerequisites: Forestry 259 and 260, or equivalents.  
ASSOCIATE PROFESSOR HARRAR
- g. **Forest Mensuration.**—Prerequisites: Forestry S151, 251, and 252, or equivalents.  
PROFESSOR SCHUMACHER
- h. **Forest Entomology.**—Prerequisite: Forestry 231 or equivalent.  
PROFESSOR BEAL

### GERMANIC LANGUAGES AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—205 PAGE AUDITORIUM; PROFESSOR KRUMMEL

#### FOR SENIORS AND GRADUATES

201-202. **Goethe.**—A careful study of Goethe's life and works, with special emphasis upon the broader aspects of his ever widening interests and literary activities. 6 s.h.  
PROFESSOR KRUMMEL

[Not offered in 1940-41]

207-208. **German Romanticism.**—The course covers the entire field of German Romanticism from 1800 to 1850. 6 s.h.  
PROFESSOR VOLLMER

[Not offered in 1940-41]

209-210. **Kleist, Grillparzer, and Heibel.**—A study of the leading representatives of German drama in the first half of the nineteenth century. 6 s.h.  
PROFESSOR KRUMMEL

211-212. **Heinrich Heine and the Young German Movement.**—A study of the German poet and his immediate successors in the movement known as *Jungdeutschland*. 6 s.h.  
PROFESSOR VOLLMER

213-214. **Literature of the Empire, 1871-1914.**—A study of the literature of this period as determined particularly by the philosophical, social, political, and religious factors. 6 s.h.  
PROFESSOR VOLLMER

#### FOR GRADUATES

301-302. **Gothic—Middle High German.**—In the first term the essentials of Gothic morphology, phonology and grammar are investigated, and original Gothic literature is read. In the second term the leading medieval German epics are read in the original. 6 s.h.  
PROFESSOR VOLLMER

303-304. **German Seminar.**—A seminar will be conducted in an eighteenth- or nineteenth-century field for properly qualified students.

PROFESSORS VOLLMER AND KRUMMEL

#### RELATED COURSES IN OTHER DEPARTMENTS

The following courses in other departments are recommended to students, who are majoring in Germanics, as particularly valuable in building a proper background for Germanic studies:

Certain graduate courses in literature or philology offered by the ancient and modern language departments, to be selected after consultation with the German Department.

History 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]

History 221-222. The Age of the Renaissance.—6 s.h. ASSOCIATE PROFESSOR NELSON

History 223-224. Medieval Institutions and Culture.—6 s.h. ASSISTANT PROFESSOR QUINN

History 225-226. The Age of the Reformation.—6 s.h. PROFESSOR NELSON  
[Not offered in 1940-41]

Philosophy 213-214. History of Aesthetics.—6 s.h. (E) PROFESSOR GILBERT  
[Not offered in 1940-41]

Philosophy 223. Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY  
[Not offered in 1940-41]

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSORS ELLWOOD AND JENSEN

## HISTORY

PROFESSOR LAPRADE, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—2B WEST  
DUKE BUILDING; PROFESSORS CARROLL\* AND SYDNOR; ASSOCIATE PROFESSORS  
CLYDE, LANNING, AND NELSON; ASSISTANT PROFESSORS MAN-  
CHESTER, QUINN, STILL, AND WOODY

### AMERICAN HISTORY

FOR SENIORS AND GRADUATES

209-210. Constitutional History of the United States, 1763-1860.—A study of the Colonial foundations of American constitutional attitudes, the constitutional aspects of the American Revolution, the framing and ratification of the Constitution, the statehood process and the extension of democracy, the constitutional implications of sectional conflict, and the Supreme Court in its relation to the problems of an industrial America. Prerequisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL

215-216. History of the Foreign Relations of the United States.—This course traces the history of American diplomacy since 1789. 6 s.h. ASSOCIATE PROFESSOR CLYDE  
[Not offered in 1940-41]

231.—The Hispanic Colonies of the New World.—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines. 3 s.h. ASSOCIATE PROFESSOR LANNING

232. The Hispanic American Republics of the New World.—3 s.h. ASSOCIATE PROFESSOR LANNING

233. The Cultural and Institutional History of Colonial Hispanic America.—3 s.h. ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

234. Political and Social Problems in the Hispanic American Republics.—3 s.h. ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

263-264. American Colonial History and the Revolution, 1606-1783.—The growth of institutions and economic life in the English colonies; the American Revolution. 6 s.h. ASSISTANT PROFESSOR WOODY

\* Absent on leave, 1940-41.



265-266. **The Westward Movement in the United States.**—A study of the progress of settlement from the Atlantic to the Pacific Coast with especial attention to the transmission of culture, developments in transportation, the transition from agrarian to urban communities, the process of state making, and the social, economic, and political effects of the westward march upon the United States as a whole. 6 s.h.

ASSISTANT PROFESSOR STILL

[Not offered in 1940-41]

FOR GRADUATES

304. **The Union, Confederacy, and Reconstruction.**—The growth of Southern nationalism, secession, the problems of the Union and Confederacy, and political and economic adjustments during Reconstruction. Year course. 4 s.h.

ASSISTANT PROFESSOR WOODY

315. **Seminar in Southern History.**—Year course. 2 s.h.

PROFESSOR SYDNOR

321. **Seminar in the History of Spain and the Spanish-American Colonies.**—Year course. 2 s.h.

ASSOCIATE PROFESSOR LANNING

329. **Historiography of the South.**—Attention is given to the more important printed and manuscript sources and to the writings of the older historians. Bibliographical and research problems are introduced. Year course. 4 s.h.

ASSISTANT PROFESSOR WOODY

[Not offered in 1940-41]

336. **The South in Federal Politics, 1789-1860.**—The interests and political actions of the South on such questions as public lands, internal improvements, foreign policy, the tariff, and slavery; the political techniques and theories of the South. Year course. 4 s.h.

PROFESSOR SYDNOR

[Not offered in 1940-41]

337. **Social and Economic Life of the Old South.**—Conditions and trends in the South in respect to population movements, transportation, agriculture, slavery, urban life, commerce, manufacturing, religion, education, and other intellectual activities. Year course. 4 s.h.

PROFESSOR SYDNOR

EUROPE AND THE FAR EAST

FOR SENIORS AND GRADUATES

217-218. **Europe since 1870.**—International relations since the Franco-German War is the chief subject of study in this course; special emphasis is placed upon the underlying economic and political influences. 6 s.h.

[Not offered in 1940-41]

PROFESSOR CARROLL

219-220. **The History of the European Proletariat.**—This course is concerned chiefly with the origins, expansion, and organization of the industrial working classes of Europe. The following problems are emphasized: the decline of serfdom, the growth of an urban working class and social revolutions in England, France, and Germany prior to the eighteenth century, the results of the Industrial Revolution, and labor movements and theories during the nineteenth and twentieth centuries. 6 s.h.

PROFESSOR CARROLL

[Not offered in 1940-41]

221-222. **The Age of the Renaissance.**—The decline of characteristic features of medieval civilization and the rise of modern European institutions with particular attention to intellectual movements from Dante to Erasmus. 6 s.h.

ASSOCIATE PROFESSOR NELSON

223-224. **Medieval Institutions and Culture.**—A consideration of the classical heritage, the Germanic infusion, development of ecclesiastical, feudal, monarchical, and communal institutions, relations of Church and State, the rise of universities, vernacular literature, philosophy, and art, in the period 300-1300 A.D. 6 s.h.  
ASSISTANT PROFESSOR QUINN

225-226. **The Age of the Reformation.**—A survey of European civilization from 1500 through the Peace of Westphalia. 6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR NELSON

241-242. **Eastern Asia and the Pacific.**—This course is concerned chiefly with the Westernization of China and Japan in the twentieth century, with emphasis on such topics as the conflict between Western and Eastern political institutions, the rise of modern industry in Japan, the political and social revolution in modern China, military socialism in Manchoukuo, the development of the Russian Far East, the conflict between Chinese nationalism and Japanese imperialism, and the status of Western colonies in the East, including the United States in the Philippines. 6 s.h.  
ASSOCIATE PROFESSOR CLYDE

FOR GRADUATES

305. **Seminar in the History of England and the British Empire.**—The work consists of practical training in the methods of historical research based on sources for modern British history. Year course. 2 s.h.  
PROFESSOR LAPRADE

317. **Seminar in Recent European History.**—Year course. 2 s.h.  
[Not offered in 1940-41] PROFESSOR CARROLL

325. **British Nationality and Public Opinion.**—A study of the various political and social groups that have contended for power in England since the sixteenth century and the methods they used. Year course. 4 s.h.  
PROFESSOR LAPRADE

327. **Modern Phases of the English Constitution.**—A brief review of the medieval constitution, followed by a more intensive study of certain aspects of its development in the sixteenth, seventeenth, and eighteenth centuries. Year course. 4 s.h.  
[Not offered in 1940-41] PROFESSOR LAPRADE

343. **Seminar in the History of American Foreign Relations and the Far East.**—Year course. 2 s.h.  
ASSOCIATE PROFESSOR CLYDE

THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. **The Teaching of History and the Social Studies.**—The work consists of a discussion of the question of aims and values in teaching history and civics, textbooks, programs of study, methods of instruction, the use of maps and pictures, the making of lesson plans for use in the high school, and other problems of high-school teaching. *First semester.* 3 s.h.  
ASSISTANT PROFESSOR MANCHESTER

BIBLIOGRAPHY

FOR GRADUATES

326. **Historiography and Bibliography.**—A survey of the development of historical writing, an examination of the greater collections of historical sources, and a consideration of the interrelationships of history and other branches of social knowledge. Hours to be arranged. 2 s.h.  
[Not offered in 1940-41] MEMBERS OF THE DEPARTMENT

## RELATED COURSES IN OTHER DEPARTMENTS

- Church History 233. Church History to the Reformation.—3 s.h.  
ASSISTANT PROFESSOR PETRY
- Church History 334. The Church in America: The National Period.—3 s.h.  
PROFESSOR GARBER
- Economics 231. Economic History of Modern Europe.—3 s.h.  
PROFESSOR HAMILTON
- Economics 232. Economic History of the United States.—3 s.h.  
PROFESSOR HAMILTON
- Economics 311-312. History of Political Economy.—6 s.h.  
PROFESSOR HAMILTON
- Economics 315. Economic Systems.—3 s.h. PROFESSOR HOOVER
- Economics 316. Economic Functions of the State.—3 s.h.  
PROFESSOR HOOVER
- Old Testament 309. History of the Ancient Near East.—3 s.h.  
ASSOCIATE PROFESSOR STINESPRING
- Political Science 223. Political Thought to the Seventeenth Century.—  
3 s.h. PROFESSOR WILSON  
[Not offered in 1940-41]
- Political Science 224.—Modern Political Theory.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WILSON
- Religious Education 363-364. Religious Thought in the Rise of American  
Culture.—6 s.h. PROFESSOR SMITH
- Sociology 320. History of Social Philosophy.—3 s.h.  
PROFESSORS ELLWOOD AND JENSEN

## MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—04 GRAY;  
PROFESSORS ELLIOTT, RANKIN, AND THOMAS; ASSOCIATE PROFESSOR  
CARLITZ; ASSISTANT PROFESSORS MILES\* AND ROBERTS;  
DRS. BOAS AND DRESSL

The Department offers basic courses in each of the main divisions of mathematics: algebra, analysis, geometry, and applied mathematics.

The Master's degree with major in mathematics is awarded primarily on the basis of scholarship. The candidate's preliminary mathematical work must be approved by the Department through the Director of Graduate Studies. It must include differential and integral calculus and the equivalent of two of the courses numbered above 100 in the undergraduate bulletin. Eighteen of the twenty-four semester hours of course work required by the general regulations for the degree must be taken in the Department.

The Doctor's degree with major in mathematics is awarded as a recognition of potential ability and training in research. The original dissertation is the most important of the formal requirements for it. A candidate should have this requirement in mind from the outset and plan his courses accordingly.

Because of the important mathematical literature in French and German, all students taking graduate work in mathematics should have a practical reading knowledge of these languages near the beginning of their graduate study.

\* Absent on leave, 1940-41.

FOR SENIORS AND GRADUATES

201. **History of Mathematics.**—Evolution of the number system, arithmetic, geometry, algebra, trigonometry, analytic geometry, calculus, and modern geometry. Brief sketches of mathematicians. *Offered in alternate years.* 3 s.h.  
 PROFESSOR RANKIN

[Not offered in 1940-41]

204. **Teaching of Mathematics.**—Fundamental processes, methods of study, mathematical literature, content of courses, applications, correlation of different branches. *Offered in alternate years.* Must be preceded or accompanied by Mathematics 52 or 60. 3 s.h.  
 PROFESSOR RANKIN

[Not offered in 1940-41]

225. **Theory of Equations.**—Permutations, determinants, matrices, linear systems, polynomials and their roots, constructibility, resultants, discriminants, simultaneous equations. Prerequisite: differential calculus. 3 s.h.

[Not offered in 1940-41]

227-228. **Theory of Numbers.**—Congruences, arithmetic functions, compound moduli, quadratic reciprocity, Gauss sums, quadratic forms, sums of squares. Prerequisite: integral calculus. 6 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR CARLITZ

229-230. **Algebraic Numbers.**—Ideals, unique factorization, divisors of the discriminant, determination of the class number. Prerequisite: Mathematics 225. 6 s.h.

ASSOCIATE PROFESSOR CARLITZ

235-236. **Modern Algebra.**—Groups, fields, rings, matrices, quadratic and bilinear forms, general Galois theory, hypercomplex systems. Prerequisite: differential calculus. 6 s.h.

PROFESSOR THOMAS

250. **Modern Geometry.**—Properties of the triangle; transversals; harmonic properties of figures; poles; polars; inversion. Prerequisite: differential calculus. 3 s.h.

[Not offered in 1940-41]

252. **Non-Euclidean Geometry.**—Geometry of Bolyai and Lobachevsky. Prerequisite: integral calculus. 3 s.h.

[Not offered in 1940-41]

255-256. **Projective Geometry.**—Postulational, synthetic treatment centering around Desargues' theorem and the principle of projectivity. Conics, coordinates, order, continuity, metric properties. Prerequisite: differential calculus. 6 s.h.

PROFESSOR THOMAS

271-272. **Introductory Topology.**—Topological properties of Euclidean spaces; set-theoretic and combinatorial methods. Prerequisite: integral calculus. 6 s.h.

ASSISTANT PROFESSOR ROBERTS

[Not offered in 1940-41]

275. **Probability.**—Combinatory analysis, mean values, Bernoulli's theorem, probability integral. Applications to statistics. Prerequisite: integral calculus. 3 s.h.

[Not offered in 1940-41]

281. **Elementary Potential Theory.**—Newtonian potentials, vector fields, Dirichlet and Neumann problems. Prerequisite: integral calculus. 3 s.h.

DR. DRESSEL

282. **Differential Equations of Mathematical Physics.**—Hamilton-Jacobi equation, heat equation, wave equation, telegraphic equation, Schrödinger's equation. Prerequisite: integral calculus. 3 s.h.

DR. DRESSEL

**283. Fourier Series and Spherical Harmonics.**—Fourier series and integrals, Legendre polynomials, spherical harmonics, Bessel functions. Applications to mathematical physics. Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR MILES

**284. Vector Analysis.**—Vectors in three-dimensional Euclidean space with applications to physics; introduction to tensor analysis. Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]

**287. Mathematical Logic.**—Boole-Schroeder algebra of logic, system of Principia Mathematica, strict and material implication. 3 s.h.  
[Not offered in 1940-41]

**288. Foundations of Mathematics.**—Postulates for groups, fields, rings, Boolean algebras. 3 s.h.  
[Not offered in 1940-41]

**291-292. Theory of Functions.**—Fundamental concepts in the theory of functions of real and complex variables. Limits, continuous functions, Riemann integrals, implicit functions, power series, double series, linear transformations, elementary functions, Cauchy's theorem and its applications, entire functions, residues, Riemann surfaces, conformal mapping. Prerequisite: Mathematics 140. 6 s.h.  
PROFESSOR GERGEN

## FOR GRADUATES

**325-326. Real Variable.**—The number system; theory of sets; transfinite numbers; Baire classes; Lebesgue, Stieltjes, Denjoy integrals and their applications; linear operations. Prerequisite: Mathematics 291-292. 6 s.h.  
DR. BOAS

**331-332. Complex Variable.**—Analytic continuation, conformal mapping and its applications, univalent functions, meromorphic functions, analytic functions of several complex variables. Prerequisite: Mathematics 291-292.  
[Not offered in 1940-41]

**333-334. Analytic Theory of Numbers.**—Distribution of primes; primes in an arithmetic progression; Waring and Goldbach problems. Prerequisite: Mathematics 291-292. 6 s.h.  
[Not offered in 1940-41]

**337-338. Existence Theorems.**—Systems of partial differential equations; Pfaffian systems; theorems of Cauchy, Riquier, and Cartan; singular integral varieties. Prerequisite: Mathematics 291-292. 6 s.h. PROFESSOR THOMAS  
[Not offered in 1940-41]

**341-342. Integral Equations.**—Volterra and Fredholm integral equations; application to boundary problems of differential equations. Prerequisites: Mathematics 131 and 139-140. 6 s.h. PROFESSOR ELLIOTT  
[Not offered in 1940-41]

**343-344. Ordinary Differential Equations.**—Solution by separation of variables, exact differentials, integrating factors, solution in series, Cauchy's existence theorem, linear differential systems, singular points, partial differential equations equivalent to ordinary systems. Prerequisite: Mathematics 291-292. 6 s.h. PROFESSOR THOMAS  
[Not offered in 1940-41]

**353-354. Trigonometric Series.**—Detailed, analytic study of trigonometric, particularly Fourier, series; related topics in Lebesgue integrals and complex variable. Prerequisite: Mathematics 325-326. 6 s.h.  
[Not offered in 1940-41]



371-372. **Advanced Topology.**—Abstract spaces; continuous, interior, and topological transformations; dimension theory. Prerequisite: Mathematics 271-272. 6 s.h.  
ASSISTANT PROFESSOR ROBERTS

382. **Potential Theory.**—Properties of harmonic functions. Existence theorems for boundary value problems. Potentials of general mass distribution. Prerequisites: Mathematics 281 and 325-326. 6 s.h.  
[Not offered in 1940-41]

## PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 SCHOOL OF RELIGION; PROFESSORS GILBERT AND SMITH; ASSOCIATE PROFESSOR MORGAN; ASSISTANT PROFESSOR LEONARD; AND DR. MCLARTY

FOR SENIORS AND GRADUATES

201-202. **The Philosophy of Art.**—Study of the various phases of the aesthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on aesthetics. 6 s.h. (E)  
PROFESSOR GILBERT

203. **The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. 3 s.h.  
ASSOCIATE PROFESSOR MORGAN

204. **Christian Ethics.**—A historical and systematic study of Christian conceptions of the moral life and its problems. 3 s.h.  
PROFESSOR SMITH

205. **The Philosophy of History.**—An inquiry into the logic and methodology of the knowledge of history, and into the metaphysical implications of history. 3 s.h.  
PROFESSOR WIDGERY

206. **Modern Political Theory.**—3 s.h. Political Science 224.  
[Not offered in 1940-41]  
PROFESSOR WILSON

207. **Political Thought to the Seventeenth Century.**—3 s.h. Political Science 223.  
[Not offered in 1940-41]  
PROFESSOR WILSON

208. **Political Philosophy.**—A critical investigation of the bases of political authority and of the ideals of political organization, with reference to prevalent political systems. 3 s.h.  
ASSOCIATE PROFESSOR MORGAN

209-210. **The Philosophy of Religion.**—A critical consideration of the data of empirical religion and the constructive development of modern philosophy of religion. 6 s.h.  
[Not offered in 1940-41]  
PROFESSOR WIDGERY

212. **Psychology of Belief.**—2 s.h. Psychology 228.  
[Not offered in 1940-41]  
PROFESSOR LUNDHOLM

213-214. **History of Aesthetics.**—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. 6 s.h. (E)  
[Not offered in 1940-41]  
PROFESSOR GILBERT

215-216. **Plato.**—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h.  
Greek 209-210.  
ASSISTANT PROFESSOR WAY

217. **The Philosophy of Aristotle.**—Prerequisite: 105. 3 s.h. DR. McLARTY
- 219-220. **The Age of the Renaissance.**—6 s.h. History 221-222.  
ASSOCIATE PROFESSOR NELSON
223. **Contemporary Philosophy.**—A study of the leading philosophical movements in Europe and America in the last fifty years. *Second semester.* 3 s.h. PROFESSOR WIDGERY  
[Not offered in 1940-41]
226. **The History of Ethics.**—Theories of morality from Socrates to the present time. 3 s.h. ASSOCIATE PROFESSOR MORGAN  
[Not offered in 1940-41]
227. **Foundations of Mathematics.**—3 s.h. Mathematics 288.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ
228. **Mathematical Logic.**—3 s.h. Mathematics 287.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ
- 229-230. **Contemporary Physics.**—6 s.h. Physics 213-214.  
ASSISTANT PROFESSOR CONSTANT
- 231-232. **Philosophy of Science.**—A historical and critical survey of the relations of natural science to general philosophy. 6 s.h. ASSISTANT PROFESSOR LEONARD
234. **Introduction to the Philosophy of Education.**—3 s.h. Education 200.  
PROFESSOR HOLTON
236. **Oriental Philosophy I. Chinese Philosophy.**—3 s.h.  
[Not offered in 1940-41] ACTING PROFESSOR DUBS
238. **Oriental Philosophy II. Indian Philosophy.**—3 s.h.  
PROFESSOR WIDGERY
241. **Logic.**—The characteristic structure of a logical system. Forms of propositions and arguments. Logical relations of propositions. Levels of analysis. 3 s.h. ASSISTANT PROFESSOR LEONARD  
[Not offered in 1940-41]
242. **Scientific Methodology.**—A survey of the methods used in the different branches of the natural and social sciences in seeking and testing knowledge. 3 s.h. ASSISTANT PROFESSOR LEONARD  
[Not offered in 1940-41]
244. **Nietzsche and the Nineteenth Century.**—Studies in the major trends of intellectual life of the period, focused around the work of Nietzsche. 3 s.h. ASSOCIATE PROFESSOR MORGAN
- 245-246. **Philosophical Foundations of Religious Belief.**—6 s.h. ACTING PROFESSOR DUBS
248. **Philosophy of Values.**—2 s.h. ACTING PROFESSOR DUBS
249. **Platonism and Christianity.**—An analysis of Plato's religious philosophy; its variants in Hellenistic and Christian thought. 3 s.h. Religion 221. ASSISTANT PROFESSOR OUTLER
250. **Philosophical Theology in the Nineteenth Century.**—A survey of the reciprocal relations of philosophy and theology. 3 s.h. Religion 222. ASSISTANT PROFESSOR OUTLER

## FOR GRADUATES

- 301-302. **Seminar in Philosophy.**—Special problems, chiefly metaphysical. Two hours a week throughout the year. Time to be arranged. 4 s.h.  
PROFESSOR WIDGERY
305. **Seminar: Spinoza.**—Detailed study of Spinoza's works showing the development of his own thought and his relation to his contemporaries. 3 s.h.  
[Not offered in 1940-41] PROFESSOR GILBERT
307. **Seminar: Kant.** ASSOCIATE PROFESSOR MORGAN  
[Not offered in 1940-41]
308. **Seminar: Hegel.**—A study of a selection of the texts together with recent interpretations. 3 s.h.  
PROFESSOR GILBERT
310. **Seminar: Logical Positivism and Its Relation to Contemporary Movements in Philosophy and Science.**—2 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR LEONARD
311. **Historical and Philosophical Biology.**—2 s.h. Zoology 341.  
PROFESSOR HARGITT
- 313-314. **Seminar: Theories of Self.**—4 s.h. Religion 377-378.  
PROFESSOR HICKMAN
315. **Seminar: Leibnitz.**—2 s.h. ACTING PROFESSOR DUBS  
[Not offered in 1940-41]
316. **History of Social Philosophy.**—3 s.h. Sociology 320.  
PROFESSORS ELLWOOD AND JENSEN
- 319-320. **Religious Thought in the Rise of American Culture.**—Prerequisite: Religious Education 261 or its equivalent. 6 s.h. Religion 363-364.  
PROFESSOR SMITH
322. **Seminar in Philosophy of Religious Education.**—Prerequisite: Religious Education 261 or its equivalent. 3 s.h. Religion 366. PROFESSOR SMITH
323. **Seminar: Bushnell, Channing, Emerson.**—2 s.h. PROFESSOR SMITH
325. **Seminar: Locke, Berkeley, Hume.**—2 s.h.  
ASSISTANT PROFESSOR LEONARD
326. **Seminar: Christian Ethics.**—Selected problems. 2 s.h.  
PROFESSOR SMITH

## PHYSICS

PROFESSOR NIELSEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—101 PHYSICS BUILDING; PROFESSORS EDWARDS, HATLEY, NORDHEIM, AND SPONER; ASSISTANT PROFESSORS CONSTANT AND MOUZON; DRs. BONNER AND HEBB

The Department of Physics makes provision for both beginning and advanced graduate students. The courses are designed to give a broad basic foundation in classical and quantum physics.

All graduate students will first be expected to acquire a thorough knowledge of the various branches of classical physics as well as some familiarity with modern physics and sufficient laboratory training. They will be required to take such course work in the 200 group of studies as may be necessary to complete this foundation.

To complete their course requirements in physics, graduate students will take such advanced courses as will best help them and fit them for the type

of work in which they plan to specialize and undertake research. The character of the work in other related departments will also depend upon the field of subsequent specialization and research.

Since a reading knowledge of French and German is highly desirable, students are urged to satisfy the language requirements in both as early as possible.

The research work of the Department is largely confined to the experimental and theoretical fields of nuclear physics and molecular structure. Experimental work is also being done in magnetism.

FOR SENIORS AND GRADUATES

**203-204. Analytical Mechanics.**—Geometry of motion; kinematics of a particle and of a rigid body; statics; relative motion; general principles of mechanics. 6 s.h. DR. HEBB

**205-206. Physical Optics.**—This course deals with interference diffraction, polarization, absorption, dispersion; in general it will cover those topics treated in a text such as Wood's *Physical Optics*. Two lectures and one three-hour laboratory period per week. 6 s.h. PROFESSOR HATLEY

**211. History of Physics.**—A rapid review of the fundamental laws of physics developed from the historical point of view. 2 s.h. PROFESSOR EDWARDS

**213-214. Contemporary Physics.**—A course which covers in a descriptive manner the fundamental concepts and experimental basis of modern theories of the structure of matter. 6 s.h. ASSISTANT PROFESSOR CONSTANT

**215-216. Atomic Physics Laboratory.**—Some of the more important experiments which form the basis of modern atomic theory. Special emphasis is placed on experimental technique, valuable in original physical investigations. 2-4 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

**217-218. Advanced General Physics Laboratory.**—Exact measurements involving the fields of mechanics, electrical measurements, heat and pyrometry. 2 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

**219. Vacuum Tubes and Their Application.**—Theory and application of vacuum tube circuits with special emphasis on their use in scientific research. Two hours of lecture and one three-hour laboratory per week. Prerequisites; 8 s.h. of physics, differential and integral calculus. 3 s.h. ASSISTANT PROFESSOR MOUZON

**221-222. Introduction to Theoretical Physics.**—Lectures and problems on the fundamental principles and mathematical theory of the general field of physics, constituting a thorough foundation for subsequent specialization and more intensive study. 6 s.h. ASSISTANT PROFESSOR CONSTANT

FOR GRADUATES

**303. Thermodynamics.**—Fundamental laws of thermodynamics and their applications to physics and chemistry. Offered jointly by the Departments of Physics and Chemistry. 3 s.h. PROFESSORS GROSS AND SPONER

**304. Kinetic Theory of Matter.**—Gas laws; Maxwell's distribution law; mean free path; viscosity; heat conductivity; diffusion; phenomena in gases at low pressure; specific heat; entropy; probability and reaction kinetics. 3 s.h. PROFESSOR SPONER

**307. Theory of Electricity and Magnetism.**—An advanced theoretical course based on Jean's *Electricity and Magnetism*, covering the mathematical theory of electrostatics, magnetostatics, current theory and electro-magnetism, and illustrated by numerous problems. Particular attention is given to electrostatic problems and methods of solution of LaPlace's equation. Prerequisite: Physics 221-222. 3 s.h. ASSISTANT PROFESSOR CONSTANT

**311. Conduction of Electricity through Gases.**—Electron theory of conduction through gases; spark and glow discharges; electric arcs; excitation of spectra; energy levels; radioactive radiations. 3 s.h. PROFESSOR EDWARDS

**315-316. Principles of Quantum Theory.**—The origin and fundamental concepts of the quantum theories. The mechanics and principles of the Bohr-Sommerfeld theory are followed by those of the more recent theories of wave and matrix mechanics, as developed by De Broglie, Schrödinger, Heisenberg, Born, Jordan, and Dirac. 6 s.h. PROFESSOR NORDHEIM  
[Not offered in 1940-41]

**317. Advanced Dynamics.**—A course dealing with the more advanced phases of dynamics and considering such topics as equations of Lagrange and Hamilton, generalized coordinates, oscillatory and cyclic motion, criteria of equilibrium, and the Newtonian potential theory. 3 s.h. DR. HEBB

**319. Electrodynamics.**—Maxwell's equation. Electromagnetic oscillations and waves. Electromagnetic theory of light. 3 s.h. PROFESSOR NORDHEIM

**320. Theory of Electrons.**—Crystal optics, theory of dispersion, conductivity and magnetism. Optics of moving bodies. Prerequisite: Physics 319. 3 s.h. PROFESSOR NORDHEIM

**323. Theory of Atomic Spectra.**—Excitation of spectra, computation of wave lengths from photographs of spectra, study of the structure of atomic spectra with applications. 3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]

**324. Theory of Molecular Spectra.**—A study of the structure of molecular spectra with applications. 3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]

**340. Structure of Matter.**—Selected topics dealing with the constitution of matter such as crystal structure and X-rays, the solid state and nuclear physics. 3 s.h. PROFESSORS SPONER AND NORDHEIM

**341-342. Advanced Topics in Physics.**—Treatment of more special fields in physics. 2-6 s.h. PROFESSORS SPONER AND NORDHEIM  
The fields taken up in the course 340-342 will vary from year to year.

**343-344. Radioactivity and Nuclear Structure.**—Discovery of radioactivity, properties of Alpha, Beta, and Gamma rays, successive transformations, artificial transmutations and nuclear structure. 6 s.h. PROFESSOR NIELSEN

**345-346. Colloquium.**—Discussion of recent advances in physics. No credit. STAFF

**351-352. Seminar.**—A series of weekly discussions on topics related to the research projects under investigation in the department. 2 s.h. STAFF

**353-354. Thesis Seminar.**—Students who are properly qualified may carry on research work under the direction of members of the Staff. 6 s.h. STAFF



**RELATED COURSES IN OTHER DEPARTMENTS  
CHEMISTRY**

- 261-262. **Physical Chemistry.**—6 s.h.  
PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS
- 363-364. **Advanced Physical Chemistry.**—6 s.h.  
PROFESSORS GROSS AND VOSBURGH, ASSISTANT  
PROFESSOR SAYLOR, DRs. HILL AND HOBBS
- 365-366. **Chemical Physics. Statistical Theory, Principles, and Applica-  
tions.**—6 s.h.  
PROFESSOR LONDON
- 367-368. **Chemical Physics. Theoretical Aspects of Atomic and Molecular  
Structure.**—6 s.h.  
PROFESSOR LONDON  
[Not offered in 1940-41]

**ELECTRICAL ENGINEERING**

261. **Communication Engineering, Audio Frequency.**—3 s.h. (E)  
PROFESSOR SEELEY
262. **Communication Engineering, Radio Frequency.**—Prerequisite: course  
261. 4 s.h. (E)  
PROFESSOR SEELEY

**MATHEMATICS**

281. **Elementary Potential Theory.**—3 s.h.  
DR. DRESSEL
282. **Differential Equations of Mathematical Physics.**—3 s.h.  
DR. DRESSEL
283. **Fourier Series and Spherical Harmonics.**—3 s.h.  
[Not offered in 1940-41]  
ASSISTANT PROFESSOR MILES
284. **Vector Analysis.**—3 s.h.  
[Not offered in 1940-41]

**POLITICAL SCIENCE**

PROFESSOR WILSON, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—311 LIBRARY;  
PROFESSORS RANKIN AND VON BECKERATH; ASSOCIATE PROFESSORS COLE AND  
SHIPMAN; ASSISTANT PROFESSOR LINEBARGER

FOR SENIORS AND GRADUATES

207. **American Constitutional Law and Theory.**—A study of leading prin-  
ciples of American government, as developed through judicial interpretation  
of the Constitution. 3 s.h.  
PROFESSOR WILSON
209. **State and Local Government in the United States.**—A study of the  
historical development of state and local governments, their present organiza-  
tion, their relation to each other and to the federal government. 3 s.h.  
PROFESSOR RANKIN
211. **Political Institutions of the Far East.**—A study of the governmental  
systems of Japan, Korea and China from the Chou Dynasty to the present.  
3 s.h.  
ASSISTANT PROFESSOR LINEBARGER
212. **International Politics of the Far East.**—A study of changing power  
relationships in the Orient since the arrival of the Europeans. 3 s.h.  
ASSISTANT PROFESSOR LINEBARGER

223. **Political Thought to the Seventeenth Century.**—A survey of political thought from the time of Plato to the close of the sixteenth century. 3 s.h.

[Not offered in 1940-41]

PROFESSOR WILSON

224. **Modern Political Theory.**—Political theories of the seventeenth and eighteenth centuries, and of the first half of the nineteenth, with a study of their influence upon modern political institutions. 3 s.h.

[Not offered in 1940-41]

PROFESSOR WILSON

225-226. **Comparative Government.**—A comparative study of modern political institutions, with special reference to bureaucracy, federalism, fascism, dictatorship, constitutions, representation, parliamentarism, and separation of powers. 6 s.h.

ASSOCIATE PROFESSOR COLE

227-228. **International Law and International Organization.**—Elements of international law, and a study of certain international organizations from the point of view of their significance for international law. 6 s.h.

PROFESSOR WILSON

229. **Recent and Contemporary Political Theory.**—A study of the more significant contributions to political theory from 1850 to the present. 3 s.h.

ASSOCIATE PROFESSOR COLE

230. **American Political Institutions.**—A study of the formation and development of institutions of the national government in the United States, with historical and analytical treatment. 3 s.h.

PROFESSOR RANKIN

241-242. **The Administrative Process.**—The function and theory of organization, delegated legislation, administrative adjudication, the control of administration, and special problems in economic balancing and proprietary activities. 6 s.h.

ASSOCIATE PROFESSOR SHIPMAN

244. **Administrative Law.**—The law of the administrative process, including the nature of regulatory authority, the status and liability of public officers, administrative tribunals and the judicial review of administrative action. 3 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR SHIPMAN

246. **Legislation.**—A study of the legislative process with attention to procedure, methods, techniques, delegation of discretion, and the use of controls. 3 s.h.

ASSOCIATE PROFESSOR SHIPMAN

271. **Socio-Politics and Capitalism.**—Labor and labor policies in Western Europe and the United States from the early nineteenth century to the World War, and socio-political developments in the post-War world. 3 s.h.

PROFESSOR VON BECKERATH

291. **Municipal Government.**—A study of general problems relating to the structural system and activities of municipalities in the United States. 3 s.h.

PROFESSOR RANKIN

292. **Municipal Administration.**—A study of principles and methods of municipal administration in the United States. 3 s.h.

[Not offered in 1940-41]

PROFESSOR RANKIN

FOR GRADUATES

310. **Seminar in State Government.**—Open to students who have completed course 209 or its equivalent. 3 s.h.

PROFESSOR RANKIN

311. **Seminar in Far Eastern Politics.**—Open to students who have completed course 211 or its equivalent. 3 s.h.

ASSISTANT PROFESSOR LINEBARGER

326. Seminar in Comparative Government.—Open to students who have completed course 225-226 or its equivalent. 3 s.h. ASSOCIATE PROFESSOR COLE  
[Not offered in 1940-41]

328. Seminar in International Law.—Open to students who have completed course 227-228 or its equivalent. 3 s.h. PROFESSOR WILSON

341. Seminar in Public Administration.—Open to students who have completed course 241-242 or its equivalent. 3 s.h. ASSOCIATE PROFESSOR SHIPMAN  
[Not offered in 1940-41]

#### RELATED COURSES IN OTHER DEPARTMENTS

Economics 233. State and Local Finance.—3 s.h.  
ASSOCIATE PROFESSOR RATCHFORD

Economics 237-238. Statistical Methods.—6 s.h.  
ASSISTANT PROFESSOR SPRINGER

Economics 265. International Trade and Tariff Policies.—3 s.h.  
PROFESSOR VON BECKERATH

Economics 266. International Finance.—3 s.h. PROFESSOR HAMILTON

Economics 316. Economic Functions of the State.—3 s.h.  
PROFESSOR HOOVER

History 215-216. History of the Foreign Relations of the United States.—  
6 s.h. ASSOCIATE PROFESSOR CLYDE  
[Not offered in 1940-41]

History 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]

History 234. Political and Social Problems in the Hispanic American  
Republics.—3 s.h. ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

Philosophy 208. Political Philosophy.—3 s.h.  
ASSOCIATE PROFESSOR MORGAN

Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]

#### PSYCHOLOGY

PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE PROFESSORS ADAMS AND ZENER

The aim of the Department is to provide opportunity for study along broad and varied lines, both in theoretical and experimental work in the field of psychology. The scope of interest represented covers the principal lines of subject matter dealing with child, adult, and animal psychology. An unusual variety of theoretical viewpoints is represented on the Staff. The emphasis in the presentation of courses will be, however, less upon quantity and extent than upon balance and selective representation.

In the direction of research done by graduate students, two general aims will be kept in mind: that of training and that of fruitful achievement. The research carried out for the Master's thesis will be primarily directed with the purpose of training the student. For the Ph.D. thesis, however, there will be a primary emphasis upon the importance of the research and there will be expectation of original contribution.

It is expected that the graduate students will have entered with preparation equivalent to the undergraduate courses offered by this Department. A reading knowledge of French and German is desirable from the beginning, and in no case should the acquisition of this be postponed later than the beginning of the second year.

No limitation is laid down as to the departments in which it is possible to minor. In doing graduate study in psychology, those branches of study which are looked upon with most favor, however, are education, sociology, zoology, physiology, and philosophy.

Encouragement is given to originality and freedom in thinking in the individual research of the student. There is wide tolerance of subject matter for research.

FOR SENIORS AND GRADUATES

202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM
206. Social Psychology.—3 s.h. (Formerly 201.)  
ASSOCIATE PROFESSOR ADAMS
207. Psychology of Memory, Thinking, Perceiving.—3 s.h.  
ASSOCIATE PROFESSOR ZENER
209. Experimental Methods in Human Psychology.—4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ZENER
211. Physiological Psychology.—3 s.h. ASSOCIATE PROFESSOR ZENER  
[Not offered in 1940-41]
216. Seminar in Comparative Psychology.—2 or 3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ADAMS
217. Gestalt Theory.—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM  
[Limited registration. Admission only after consultation with instructor.]  
*If advisable, this course may also be offered in the spring semester.*
226. Contemporary Schools of Psychology.—3 s.h. *First semester.*  
ASSOCIATE PROFESSOR ZENER
228. Psychology of Belief.—2 s.h. PROFESSOR LUNDHOLM  
[Not offered in 1940-41]

FOR GRADUATES

302. Seminar: Schools of Abnormal Psychology.—3 s.h.  
PROFESSOR LUNDHOLM
- 303-304. Research.—2 or 3 s.h.  
PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE  
PROFESSORS ADAMS AND ZENER
306. Seminar in Child Psychology.—2 or 3 s.h.  
ASSOCIATE PROFESSOR ADAMS
307. Seminar in Psychology of Personality.—3 s.h. PROFESSOR RHINE  
[Not offered in 1940-41]
309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
310. Seminar: Selected Problems in the Dynamics of Behavior.—Topics  
vary from year to year. 3 s.h. ASSOCIATE PROFESSOR ZENER

- 313-314. Seminar in Parapsychology.—6 s.h. PROFESSOR RHINE
315. Developmental Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
317. Seminar: Special Problems in the Psychology of Aesthetics.—3 s.h.  
[Not offered in 1940-41] PROFESSOR LUNDHOLM

## RELIGION

PROFESSOR SMITH, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—304 SCHOOL OF RELIGION; PROFESSORS BRANSCOMB, DUBS, GARBER, AND RUSSELL; ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS CLARK, OUTLER, AND PETRY

Graduate study in religion leading to the degrees of Master of Arts and Doctor of Philosophy may be pursued in three fields: (1) Biblical Studies (Professor Branscomb, Advisor); (2) Studies in Church History (Professor Garber, Advisor); and (3) Studies in Christian Theology and Ethics (Professor Smith, Advisor). A student majoring in one of these fields will be expected to take such courses in one or both of the other fields as may be necessary to give an adequate understanding of his field of specialization.

Students pursuing work in the field of religion will be expected to take such other courses in cognate fields as will aid in the understanding of their field of specialization. Special attention is called to the Division of Ancient Languages and Literatures for those working in Field 1; to the Department of History for those working in Field 2; and to the Department of Philosophy and the Department of Sociology for those working in Field 3.

## FIELD I. BIBLICAL STUDIES

201-202. First Hebrew.—The principles and structure of the Hebrew language with translation of selected Old Testament narratives. M.W.F. at 11:30. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

301. Old Testament Theology.—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL

304. Aramaic.—A study of the Aramaic portions of the Old Testament, and selected passages from the Targums, Midrashes, and Talmuds. Hours to be arranged. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

305-306. Arabic.—Introduction to the classical language and literature with some attention to the modern idiom. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

307-308. Second Hebrew.—Samuel or Kings the first semester and Isaiah the second. M.W.F. at 2:00. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in light of Biblical archaeology. T.Th.S. at 11:30. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

310. Old Testament Prophecy.—The prophetic movement in Israel with special emphasis on the prophets of the eighth century B.C. T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

218. Galatians and I Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. T.Th.S. at 9:10. 3 s.h. ASSISTANT PROFESSOR CLARK



220. **I Peter and the Gospel of John.**—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. T.Th.S. at 9:10. 3 s.h. ASSISTANT PROFESSOR CLARK

311. **The Life and Teachings of Jesus.**—Prerequisite: New Testament 213-214. M.W.F. at 10:20. 3 s.h. PROFESSOR BRANSCOMB

312. **New Testament Theology.**—The religious teaching of the books of the New Testament. Prerequisite: New Testament 213-214. M.W.F. at 10:20. 3 s.h. PROFESSOR RUSSELL

315. **Hellenistic Religions at the Beginning of the Christian Era.**—T.Th.S. at 10:20. 3 s.h. ASSISTANT PROFESSOR CLARK

316. **Judaism at the Beginning of the Christian Era.**—A study of Judaism from the time of Ben Sirach to the writing of the Mishna. T.Th.S. at 10:20. 3 s.h. PROFESSOR BRANSCOMB

318. **Text of New Testament.**—A study of the materials for the reconstruction of the text, the principles of textual criticism, and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. T.Th.S. at 10:20. 3 s.h. ASSISTANT PROFESSOR CLARK

#### FIELD II. STUDIES IN CHURCH HISTORY

322. **The Medieval Church.**—Outstanding characteristics of the Medieval Church, emphasizing theory, polity, institutions, sacraments, and worship. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

331. **The Social Message of the Early and Medieval Church.**—A study of the social teachings of the Christian Church prior to the Protestant Reformation. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

333. **The Church in Europe since 1800.**—Emphasis is placed on the relation of the Church to the social, economic, and political life of Modern Europe. Prerequisite: Church History 233-234. M.W.F. at 11:30. 3 s.h. PROFESSOR GARBER

334. **A History of Christian Renunciation in the Middle Ages.**—A study of the renunciatory ideal and spiritual practices with special reference to Benedictines, Franciscans, Lowland Mystics, and leading seculars. Prerequisite: Church History 233-234. M.W.F. at 11:30. 3 s.h. ASSISTANT PROFESSOR PETRY

335-336. **The Church in America.**—The Church as a factor in the social, economic, and political life of America. Prerequisite: Church History 233-234. 6 s.h. PROFESSOR GARBER

337. **Religion in the Southern States since the Civil War.**—A study of the religious life of the Southern people since 1865. Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER

339. **Seminar on Frontier Religion.**—Special studies on influence of the frontier in American religious life. Prerequisite: Church History 233-234. 2 s.h. PROFESSOR GARBER

#### FIELD III. STUDIES IN CHRISTIAN THEOLOGY AND ETHICS

221. **Platonism and Christianity.**—An analysis of Plato's religious philosophy and a survey of its continuing influence in Hellenistic and Christian thought. Prerequisite: six semester hours in philosophy or its equivalent. 3 s.h. ASSISTANT PROFESSOR OUTLER

222. **Theology and Philosophy in the Nineteenth Century.**—A study of Protestant thought from Schleiermacher to Troeltsch, with special attention to the reciprocal relations between theology and metaphysics. 3 s.h.

ASSISTANT PROFESSOR OUTLER

291. **Christian Ethics.**—An historical and systematic study of Christian conceptions of the moral life and its problems. T.Th.S. at 11:30. 3 s.h.

PROFESSOR SMITH

295. **Philosophical Foundations of Religious Belief I.**—The nature of religion, its types and their characteristics as bearing upon contemporary Christianity. T.Th. at 2:15-3:30. 3 s.h.

ACTING PROFESSOR DUBS

296. **Philosophical Foundations of Religious Belief II.**—The problems of knowledge and value; the values of religion; the ideal religion; an attempt to formulate a tenable theistic philosophy. T.Th. at 2:15-3:30. 3 s.h.

ACTING PROFESSOR DUBS

323. **Seminar in Historical Theology.**—Selected problems in the history of Christian thought, with special reference to the relation between theology and philosophy. Hours to be arranged. 2 s.h.

ASSISTANT PROFESSOR OUTLER

366. **Seminar in Philosophy of Religious Education.**—A critical study of the basic concepts and theories underlying religious education. Prerequisite: Religious Education 261 or its equivalent. T. at 3:30. 2 s.h.

PROFESSOR SMITH

393-394. **Religious Thought in the Rise of American Culture.**—A survey of the main developments in American religious thought in relation to the growth of civilization and culture. T.Th.S. at 9:10. 6 s.h.

PROFESSOR SMITH

397. **Seminar in American Religious Thought.**—Selected problems, chiefly of the nineteenth century. T. at 3:30. 2 s.h.

PROFESSOR SMITH\*

398. **Seminar in Christian Ethics.**—A critical study of selected problems. T. at 3:30. 2 s.h.

PROFESSOR SMITH

#### OTHER COURSES

Certain other courses listed in this bulletin and in the bulletin of the School of Religion may be taken for graduate credit, provided they are approved by the chairman of the candidate's guidance committee and the Dean of the Graduate School.

#### ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN—107 GRAY BUILDING; PROFESSOR JORDAN, DIRECTOR OF GRADUATE STUDIES—106 GRAY BUILDING; PROFESSOR COWPER; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON;\* ASSISTANT PROFESSOR REID

To be eligible for graduate study in this Department, the student should have credit for four years of college work in the chosen language; or eighteen hours beyond the conventional two units offered at entrance to college. In addition to this minimum requirement, one semester of composition and grammar review is highly desirable.

It is recommended that candidates for the Master's degree take a second Romance Language for the minor subject.

A candidate for the Ph.D. degree should be equipped to follow graduate courses in a second Romance Language. Some training in Romance Linguistics will be required for this degree, the amount to be determined by the Department upon consideration of the student's preparation in the field.

\* Absent on leave, second semester, 1940-41.

## FRENCH

## FOR SENIORS AND GRADUATES

213-214. **The Classical Movement in French Literature of the Seventeenth and Eighteenth Centuries.**—6 s.h. ASSOCIATE PROFESSOR WALTON

215-216. **The Modern French Novel.**—A survey of the novel form from the seventeenth to the twentieth centuries, with particular attention to the analysis of fundamental literary tendencies: classicism, rationalism, romanticism, and realism. 6 s.h. PROFESSOR JORDAN

217. **French Phonetics.**—French sounds and French spelling; pronunciation drills; exercises in phonetic transcription and dictation; aural comprehension. 3 s.h. PROFESSOR WEBB  
[Not offered in 1940-41]

218. **Materials and Methods.**—History of the teaching of French; methods; the course of study; analysis and criticism of representative texts; tests and examinations; objectives in the light of teaching conditions, equipment, and future application. *First semester.* 3 s.h. PROFESSOR WEBB

219. **Old French.**—An introduction to the Old French language and literature. 3 s.h. PROFESSOR COWPER

220. **Old French.**—Types of Old French literature. 3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]

227. **French Poetry since Théophile Gautier.**—3 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]

232. **Rousseau and the Beginnings of Romanticism.**—3 s.h. PROFESSOR COWPER

233. **Main Currents of Modern French Literature.**—A survey of the principal literary tendencies from the seventeenth to the nineteenth centuries. Selected illustrative readings from leading authors. *Second semester.* 3 s.h. ASSOCIATE PROFESSOR WALTON

## FOR GRADUATES

317. **History of the French Language.**—3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]

323-324. **Realism and Naturalism.**—6 s.h. PROFESSOR JORDAN  
[Not offered in 1940-41]

325-326. **French Literature in the Sixteenth Century.**—6 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]

328. **Anatole France.**—3 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]

329. **History of French Civilization.**—3 s.h. PROFESSOR WEBB  
[Not offered in 1940-41]

331. **Diderot and the Encyclopédie.**—3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]

333-334. **Contemporary French Literature.**—6 s.h. PROFESSOR JORDAN

350. **Nineteenth-Century French Criticism.**—3 s.h. PROFESSOR JORDAN  
[Not offered in 1940-41]

## SPANISH

FOR SENIORS AND GRADUATES

**253. Spanish Phonetics.**—The sounds of the Spanish language; sound changes; intonation; exercises in transcription; regional pronunciation; limited use of electrical recording machines. Prerequisites: Spanish 65-66, or 3-4 with permission. (Enrollment limited to fifteen students.) 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

**254. Materials and Methods.**—History of the teaching of Spanish; survey of methods and objectives; evaluation of representative texts; tests, word counts and auxiliary devices; the course of study. Prerequisites: Spanish 65-66 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1940-41]

**260. Advanced Syntax and Composition.**—Systematic review of Spanish syntax; free oral and written composition; selected translation assignments; epistolary forms, etc. Conducted mainly in Spanish. Prerequisite: Spanish 65-66. (Enrollment limited to fifteen students.) 3 s.h.

ASSISTANT PROFESSOR REID

**261-262. The Modern Spanish Novel.**—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

**265. Golden Age Literature: Cervantes.**—The *Novelas ejemplares*; analytic study of the tales, their sources, style, literary importance, and influence on world literature. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1940-41]

**266. Golden Age Literature: The Don Juan Theme.**—Study of representative Don Juan plays of the Golden Age; special reference to the use of this motif by later writers in Spain and abroad. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1940-41]

## SOCIOLOGY

PROFESSOR ELLWOOD, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 GRAY BUILDING; PROFESSORS GROVES, HART AND JENSEN;\* ASSISTANT PROFESSOR THOMPSON

**205. Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. Prerequisite: course 91-92 or 101. *Second semester.* 3 s.h.

PROFESSOR JENSEN

**206. Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. Prerequisite: course 91-92 or 101. 3 s.h.

PROFESSOR JENSEN

**212. Child Welfare.**—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. Prerequisite: course 91-92 or 101. 3 s.h.

PROFESSOR JENSEN

[Not offered in 1940-41]

\* Absent on leave, first semester, 1940-41.

**213. Constructive Social Policies.**—An intensive study of the theories and legislation dealing with such problems as compensation, vocational re-education, and other methods of social insurance and social improvement. 2 s.h.

[Not offered in 1940-41]

PROFESSOR JENSEN

**219. Urban Sociology.**—This course studies the function of the city in the larger community which it nucleates both as market and as industrial center. More detailed attention, however, is given to the inner life and problems of the city. Prerequisite: course 91-92 or 101. 3 s.h.

ASSISTANT PROFESSOR THOMPSON

**220. Rural Sociology.**—A study of the societies developed by people who settle the land and exploit it for a livelihood. The institutions peculiarly rural are the farm family, the peasant village, the ranch, and the plantation. In this course special attention is given to the plantation and the rural problems of the South. Prerequisite: course 91-92 or 101. 3 s.h.

ASSISTANT PROFESSOR THOMPSON

**227. Emigration and Immigration.**—A study of territorial movements of population with especial reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organization in the New World; problems, and processes of assimilation. Prerequisite: course 91-92 or 101. 3 s.h.

PROFESSOR JENSEN

[Not offered in 1940-41]

**231. General Anthropology.**—A study of the evolution of man and of human culture. The prehistoric human types; modern races; the evolution of tools, technology, family life, political institutions, art, and language. Prerequisite: course 91-92 or 101. 3 s.h.

PROFESSOR HART

**232. Cultural Anthropology.**—A study of the processes of cultural change. The emergence of magic, religion, morals, and science; invention and diffusion; the dynamics of social change; the role and methods of the social innovator. 3 s.h.

PROFESSOR HART

[Not offered in 1940-41]

**233. The World Crisis in the Light of Social Anthropology.**—Present world issues in the light of the trends of human culture and of the dynamic processes through which men may take part in determining the future of civilization. 3 s.h.

PROFESSOR HART

[Not offered in 1940-41]

**234. Social Ethics.**—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men, particularly capacities for creative co-operation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? 3 s.h.

PROFESSOR HART

**236. The American Indian.**—The origin, history, and culture of the American Indian stocks, with especial reference to those of North America. 3 s.h.

[Not offered in 1940-41]

**242. Marriage and the Family.**—An analysis of contemporary marriage and family experience with emphasis on its functions, problems, resources, and values. Prerequisite for undergraduate credit: Sociology 91-92 or 101. 2 s.h.

[Not offered in 1940-41]

**252. Education and Social Control.**—A study of education as an agency of social progress from primitive times to the present. 2 s.h.

PROFESSOR ELLWOOD



**281. Public Opinion.**—The fundamental problems and processes of social control and social change in democratically organized groups; the nature and development of public opinion, its cultural and psychological bases, the role of leadership, pressure groups, prestige, propaganda, censorship, advertising, the press, the motion picture, the radio, the graphic arts, etc. in its management and dissemination. 3 s.h.

PROFESSOR JENSEN

[Not offered in 1940-41]

FOR GRADUATES

**317. Seminar in Anthropology.**—A seminar for advanced students who wish to pursue individual studies in racial or cultural anthropology. Only students who have satisfactorily completed courses 231 and 232, or their equivalents, will be admitted. 1 to 3 s.h.

PROFESSOR HART

**318. Religion and the World Crisis.**—An inquiry into the bearings of religion upon the past social evolution and upon the possible future development of civilization. 3 s.h.

PROFESSOR HART

**319. Principles of Sociology.**—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. Discussions and papers by the class. 3 s.h.

PROFESSOR ELLWOOD

**320. History of Social Philosophy.**—Lectures on the development of social thought from Aristotle to the present; the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Schaeffle, Lilienfeldt, Gumplowicz, Ratzenhofer, and Ward will, among others, be considered. A large amount of assigned reading will be required in this course. The student is advised to correlate this course with related courses in economics, history, political science, and philosophy. 3 s.h.

PROFESSOR ELLWOOD

**322. Methods of Social Research.**—A study of the various methods of research and investigation that can be applied to the study of social phenomena. 3 s.h.

PROFESSOR JENSEN

**330. Seminar.**—Research work upon special problems in sociology and social work. One hour each week throughout the year. 1 s.h. *each semester.*

PROFESSORS ELLWOOD, HART, AND JENSEN;

ASSISTANT PROFESSOR THOMPSON

**340. Seminar.**—Special problems in race relations, urban and rural life, and the sociology of the South generally. 3 s.h. *each semester.*

ASSISTANT PROFESSOR THOMPSON

**342. Seminar in Marriage and the Family.**—Special problems. Open to graduate students who have had at least twelve hours in Sociology and to all students in the School of Religion. 2-4 s.h.

PROFESSOR GROVES (U. N. C.)

**350. Seminar in Applied Sociology.**—Special research problems in social pathology, child welfare, criminology and related topics. *Second semester.* 1 to 3 s.h.

PROFESSOR JENSEN

**351. Seminar in Medical Sociology.**—The basic principles of the various medical specialties as applied to the problems of marriage and the family. Open only to graduate students in sociology, with the consent of the instructor and of the Director of Graduate Studies. Given by the Staff of the Medical School under the direction of Dr. Bayard Carter, M.D. 2 s.h.

**352. Seminar in Family Law.**—A seminar approach to the efforts of the social sciences, including law, to deal with the intricate and perplexing problems of the modern family. Readings are assigned in legal and sociological material. 2 s.h.

PROFESSOR BRADWAY

## RELATED COURSES IN OTHER DEPARTMENTS

Economics 218. Population Problems and the Standard of Living.—3 s.h.  
PROFESSOR SPENGLER

Economics 315. Economic Systems.—3 s.h. PROFESSOR HOOVER

Economics 316. Economic Functions of the State.—3 s.h.  
PROFESSOR HOOVER

Philosophy 205. Philosophy of History.—3 s.h. PROFESSOR WIDGERY

Political Science 223. Political Thought to the Seventeenth Century.—  
3 s.h. PROFESSOR WILSON  
[Not offered in 1940-41]

Political Science 224. Modern Political Theory.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WILSON

Psychology 206. Social Psychology.—2 s.h. ASSOCIATE PROFESSOR ADAMS

## ZOOLOGY

PROFESSOR PEARSE, CHAIRMAN—219 BIOLOGY BUILDING; PROFESSOR HARGITT, DI-  
RECTOR OF GRADUATE STUDIES—326 BIOLOGY BUILDING; PROFESSORS CUN-  
NINGHAM AND HALL; ASSOCIATE PROFESSOR GRAY; DR. BOOKHOUT

For admission to candidacy for the Master's degree the applicant should have completed an undergraduate major in zoology, or its equivalent (courses in general science and botany cannot be counted as a part of the zoology major). This normally amounts to about twenty-four semester hours of course work, which should be distributed among the various fields of zoology, and must include comparative anatomy of vertebrates or vertebrate zoology, physiology and embryology. This major work must have been passed with good grades. At least one year of chemistry is required, and a year of physics is recommended. Work for the degree will require eighteen hours in advanced courses in zoology, six hours in a minor department, and a thesis.

For admission to candidacy for the Ph.D. degree it is expected that the undergraduate major in zoology will amount to about thirty-two hours which have been passed with good grades. Comparative anatomy of vertebrates or vertebrate zoology, physiology and embryology must be included in the undergraduate major. At least two years of chemistry and one year of botany are required and one year of physics is recommended; for certain fields organic chemistry is desirable. Toward the end of the first year of residence a committee will be appointed for each candidate, which will review his preparation and set specific requirements which must be met to receive the degree. This program will include one or more graduate courses in each of several fields of zoology; broad knowledge of science in general and of biology in particular, attained by wide reading; required major and minor courses, and research; and a satisfactory dissertation which is the result of original work. The Department requires that a first draft of the dissertation shall be complete by March 15 of the year in which the degree is to be conferred. At least one year before the degree is to be conferred each candidate must pass an examination on the whole field of zoology and the minor.

## FOR SENIORS AND GRADUATES

204. **Advanced Parasitology.**—Lectures, conferences, readings, and laboratory work, dealing with practical and theoretical matters relating to animal parasites. Offered in alternate years. Prerequisite: Zoology 161. 3 or 4 s.h.  
PROFESSOR PEARSE

222. **Entomology.**—Anatomy, physiology, embryology and classification of insects. Offered in alternate years. Prerequisite: one year of zoology. 4 s.h.

ASSOCIATE PROFESSOR GRAY

[Not offered in 1940-41]

224. **Vertebrate Zoology.**—A study of the life histories, adaptations, ecology, and classification of vertebrate animals. Offered in alternate years. Prerequisite: Zoology 53. 4 s.h.

ASSOCIATE PROFESSOR GRAY

229. **Endocrinology.**—The structure, physiology, and embryology of the endocrine glands. Lectures, reading assignments, and reports. Prerequisite: Zoology 53, 92. 3 or 4 s.h.

PROFESSOR CUNNINGHAM

FOR GRADUATES

303. **Ecology.**—Relation of animals to environment. Lectures, readings, reports, conferences; laboratory and field work. Offered in alternate years. 4 s.h.

PROFESSOR PEARSE

306. **Advanced Ecology.**—Lectures, conferences, field work and methods. Offered in alternate years. Prerequisite: Zoology 303. 4 s.h.

PROFESSOR PEARSE

307. **Foundations of Zoology.**—Lectures, readings, and discussions on the background and training essential for a professional zoologist. Offered in alternate years. 2 s.h.

PROFESSOR PEARSE

[Not offered in 1940-41]

321. **General Physiology.**—Comparative study of functions in all animal groups, especially of vertebrates. Lectures, laboratory work, and conferences. 4 s.h.

PROFESSOR HALL

324. **Advanced Physiology.**—Present-day problems in physiology, with laboratory projects involving precise instrumental analyses. Lectures, conferences, and laboratory work. Prerequisite: Zoology 151 or 321. 4 s.h.

PROFESSOR HALL

327. **Experimental Embryology.**—Lectures, assigned readings, and reports. Offered in alternate years. Prerequisites: Zoology 92, 151 or 321. 3 s.h.

PROFESSOR CUNNINGHAM

[Not offered in 1940-41]

341. **Historical and Philosophical Zoology.**—Readings and discussions. A critical study of the development of modern biological concepts and theories, their past and present significance. Offered in alternate years. 2 s.h.

PROFESSOR HARGITT

343. **Cytology.**—The structure of the cell. Lectures, readings, reports and laboratory work. Offered in alternate years. Prerequisites: Zoology 53, 92, 156 or equivalents. 4 s.h.

PROFESSOR HARGITT

[Not offered in 1940-41]

351-352. **Zoological Journal Club.**—A weekly meeting of graduate students and Faculty to hear reports and to discuss biological facts, theories, and problems. One hour a week throughout the year. Required of all graduate students who major in zoology. 2 s.h.

STAFF

353-354. **Research.**—Students who have had proper training may carry on research under direction of members of the Staff, in the following fields:

(a) **Embryology and Endocrinology.**

PROFESSOR CUNNINGHAM

(b) **Comparative and General Physiology.**

PROFESSOR HALL

- (c) Histology and Cytology. PROFESSOR HARGITT  
 (d) Invertebrate Zoology. DR. BOOKHOUT  
 (e) Ecology, Parasitology, and Behavior. PROFESSOR PEARSE  
 (f) Vertebrate Zoology and Entomology. ASSOCIATE PROFESSOR GRAY  
 Hours and credits to be arranged.

355-356. Seminar.—Special seminar courses in particular fields are given by various professors when the number of students makes them desirable. Hours and credits to be arranged.

- (a) Embryology and Endocrinology. PROFESSOR CUNNINGHAM  
 \*(b) Comparative and General Physiology. PROFESSOR HALL  
 (c) Histology and Cytology. PROFESSOR HARGITT  
 \*(d) Invertebrate Zoology. DR. BOOKHOUT  
 \*(e) Ecology, Parasitology, and Behavior. PROFESSOR PEARSE  
 \*(f) Vertebrate Zoology and Entomology. ASSOCIATE PROFESSOR GRAY

#### RELATED COURSES IN OTHER DEPARTMENTS

Courses such as the following should be considered as available for students in zoology:

- Botany 202. Genetics.—4 s.h. ASSISTANT PROFESSOR PERRY  
 Botany 221. Structure and Classification of Fungi.—4 s.h.  
 PROFESSOR WOLF  
 Botany 256. Field Ecology.—4 s.h. ASSISTANT PROFESSOR OOSTING  
 Botany 341. Methods in Plant Physiology.—4 s.h.  
 [Not offered in 1940-41] ASSOCIATE PROFESSOR KRAMER  
 Botany 342. Plant Microchemistry.—2 s.h. ASSISTANT PROFESSOR ADDOMS  
 Chemistry 261-262. Physical Chemistry.—6 s.h.  
 PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS  
 Physics 103. Electricity and Magnetism.—(Undergraduate credit only.)  
 3 s.h. ASSISTANT PROFESSOR CONSTANT  
 Physics 104. Electrical Measurements.—(Undergraduate credit only.)  
 3 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR CONSTANT  
 Physics 205-206. Physical Optics.—6 s.h. PROFESSOR HATLEY  
 M221. Bacteriology and Immunology.—4 s.h. DR. D. T. SMITH AND STAFF  
 M323. Advanced Bacteriology and Immunology.—8 s.h.  
 DR. D. T. SMITH AND STAFF  
 M241. General Biochemistry.—6 s.h.  
 DRs. PERLZWEIG AND TAYLOR, AND STAFF  
 M263. Physiology of Digestion, Metabolism, and Nutrition.—2 s.h.  
 DRs. W. J. DANN, EADIE, AND F. M. BERNHEIM  
 M363-364. Advanced Seminar in Nutrition.—4 s.h. DR. DANN

\* [Not offered in 1940-41]

## COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

PROFESSORS EADIE, PERLZWEIG, D. T. SMITH, AND SWETT; ASSOCIATE PROFESSORS  
F. M. BERNHEIM, DANN, HETHERINGTON, MARTIN, MCCREA, AND TAYLOR;  
ASSISTANT PROFESSORS M. L. C. BERNHEIM, CONANT, EVERETT,  
HOLLINSHEAD, AND NEURATH; DRs. COOLIDGE  
AND YOUNGSTROM

The facilities of the departments listed below are available to qualified students for independent or supervised research and investigations whether working for advanced degrees or otherwise.

Graduate students desiring to pursue a major or a minor in any of the departments listed below or to be admitted to any of the courses listed below should consult or write to the head of the Department concerned: Anatomy, Dr. Swett; Bacteriology, Dr. D. T. Smith; Biochemistry, Dr. Perlzweig; Physiology and Pharmacology, Dr. Eadie; Nutrition, Dr. Dann.

### ANATOMY

**M201. Gross Human Anatomy.**—A course especially designed for graduate students, comprising a complete dissection of the cadaver. The laboratory work is supplemented by conferences which place emphasis on the biological aspects of the subject. *Fall and winter quarters.* Hours and credits (maximum 8 s.h.) by arrangement. Prerequisites: adequate training in comparative anatomy and embryology. DR. SWETT AND STAFF

**M202. Microscopic Anatomy.**—Conferences and laboratory work on the morphological characteristics of the tissues of the animal body. The work is based upon a study of fresh and prepared material and is approached from the physiological viewpoint. *Fall quarter.* Hours and credits (maximum 2 s.h.) by arrangement. Prerequisite: adequate training in histology or cytology. DR. HETHERINGTON AND STAFF

**M203. Anatomy of the Nervous System.**—A study of the gross and microscopic structure of the human central nervous system, special attention being paid to the structural and functional relationships between the various nuclei and fiber tracts. *Winter quarter.* Hours and credits (maximum 4 s.h.) by arrangement. Prerequisite: Anatomy M201. DR. HETHERINGTON

### BACTERIOLOGY AND IMMUNOLOGY

**M221. Bacteriology and Immunology.**—This course is devoted primarily to the study of the biological and immunological relationships of microorganisms in disease. It is not a course in bacteriologic technique. An additional course in technical methods is provided for those who require it. Two hours lecture and 8 hours laboratory per week in fall quarter. Prerequisites: courses in general zoology, general botany, histology and comparative anatomy, general and organic chemistry. 4 s.h. DR. D. T. SMITH AND STAFF

**M323. Advanced Bacteriology and Immunology.**—This course is intended primarily for graduate students majoring in bacteriology, but it is also available as a minor to such other graduate students in related fields, to whom it is recommended by respective supervising committees and with the approval of the Department of Bacteriology. 8 s.h. DR. D. T. SMITH AND STAFF



## BIOCHEMISTRY

**M241. General Biochemistry.**—Three lectures, four laboratory periods of three hours each, and one two-hour seminar weekly for eleven weeks. Prerequisites: general chemistry, organic chemistry, elementary, physical and analytical chemistry and at least one year of college biology. *Winter quarter.* 6 s.h.  
DRS. PERLZWEIG AND TAYLOR, AND STAFF

**M242. Biochemical Preparations.**—Eight hours laboratory with conferences when necessary. This course involves detailed study of the chemistry of enzymes, proteins, fats, carbohydrates and derivatives. Prerequisite: Biochemistry M241. *Spring, summer, fall quarters.* Hours by arrangement. 2 s.h.  
DR. TAYLOR AND STAFF

**M243-244. Physical Chemical and Colloid Chemical Principles of Biochemistry.**—Special emphasis is given to the structure and physical chemistry of proteins, enzymes, viruses, etc. Two hours per week throughout the year.  
DR. NEURATH

**M341. Pathological Chemistry.**—Seminar course devoted to a detailed study of the chemical and physical chemical aspects of normal and abnormal metabolism. Two hours per week by arrangement. Prerequisites: Biochemistry M241 and Physiology M251-2. *Spring quarter.*

Laboratory work consisting chiefly of blood and urine analysis in relation to problems discussed will be provided for students desiring it.

DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

## PHYSIOLOGY AND PHARMACOLOGY

**M261-2. Human Physiology and Pharmacology.**—Six lectures and twenty laboratory hours per week. Prerequisites: Anatomy M201 and Biochemistry M241 (or equivalents) and at least one year of college physics. *Spring quarter.* Credits depending on work taken. (Maximum 8 s.h.)

The lectures in pharmacology, two hours per week, are included in this course and may be taken separately or omitted, depending upon the needs of the student.  
DR. EADIE AND STAFF

**M263. Physiology of Digestion, Metabolism, and Nutrition.**—Two hours lectures and conferences and the equivalent of one laboratory period of three hours per week. Prerequisite: Biochemistry M241. *Spring quarter.* 2 s.h.

This course constitutes a part of Physiology M261-2, but may be taken separately.  
DRS. W. J. DANN, EADIE, AND F. M. BERNHEIM

**M363-4. Advanced Seminar in Nutrition.**—Prerequisites: Biochemistry M241 and Physiology M251 or equivalents. Two hours weekly. 4 s.h.

DR. DANN

## ADVANCED DEGREES CONFERRED JUNE 5, 1939

### MASTER OF ARTS

- |   |   |
|---|---|
| <p>*Allaben, Sara Elizabeth<br/>Austin, Marguerite Zelle<br/>*Ayers, Archie Raymond<br/>Bagley, Mariana Dasch<br/>*Baker, Ruth Maurine<br/>*Barbour, William Johnston<br/>Baum, Rhoda May<br/>*Baxter, James Edward<br/>Beam, Joshua Paul<br/>Beckman, John Fink<br/>*Bramlette, Nancy Lucile<br/>*Brandis, Roland Buford, Jr.<br/>*Brewster, James Pendleton<br/>Bridges, Daniel Moody<br/>*Bussell, Wilsie Florence<br/>*Clifton, Chester Stanley<br/>Colley, Frank Harris<br/>*Couch, Leon Voight<br/>*Covington, Mary Faison<br/>Cox, Headley Morris, Jr.<br/>Derr, Paul Franklin<br/>Dillard, Kathryn<br/>Doty, Roy A., Jr.<br/>Douglas, Jessie Owens<br/>Duehring, Frederica Elizabeth<br/>Duehring, Virginia Atwell<br/>*Dunsky, Irvin<br/>*Durrance, S. P., Jr.<br/>*Durst, Margaret Rebecca<br/>*Echerd, Eugenia Mae<br/>*Erckman, William James<br/>*Flemister, Launcelot Johnson, Jr.<br/>Fletcher, Mary Little<br/>Fletcher, Mildred Jane<br/>*Flora, Anne Putney<br/>Formwalt, John McClellan<br/>*Frank, Letitia Morehouse<br/>*Gaulding, Roxie Geraldine<br/>Gould, Robert Kent<br/>*Gunson, Mildred Sneed<br/>*Halsall, Earl Buggle<br/>Haman, James Blanding<br/>Hartness, Edna Buree<br/>Hausscr, Harry Edward<br/>*Hood, Ralph Erskine<br/>*Hopkins, Anne Pleasants<br/>Howie, Naomi</p> | <p>*Hulbert, Marie Jones<br/>*Hurt, James Lewis<br/>*Isenhour, Catharine Elizabeth<br/>*Kelley, Joseph Jackson<br/>*Kinney, Hinton Eugene<br/>*Landis, Allyne Wilder<br/>*Luttrell, Everett Stanley<br/>*McDaniel, Anne Elizabeth<br/>McDermott, John Joseph<br/>*Marston, Helen Mount<br/>*Merrick, Gordon Danforth<br/>*Merritt, Effie Mae<br/>Miles, Ernest Percy, Jr.<br/>*Millar, Helen Mary<br/>*Miller, Nancy Hartley<br/>Morgan, John Wesley<br/>Mountjoy, Marjorie<br/>Munster, Ralf Friedrich William<br/>*Myers, Carl Francis, Jr.<br/>Parks, Helen Clare<br/>*Peters, Thelma Peterson<br/>*Phillips, Paul L.<br/>Pope, Marvin Hoyle<br/>Poston, Mary Alverta<br/>*Ravenel, William Bee, III<br/>*Rawl, William Asmann, Jr.<br/>*Roberts, Mary Alma<br/>Russ, Alexander<br/>Scarborough, Henry Baldwin<br/>*Shaw, John Sidney<br/>Simmons, Alma Julia<br/>Singer, Armand Edwards<br/>*Smith, Alva Lee<br/>*Smith, Ollie Sanders<br/>*Snedegar, Dorothy May<br/>Summers, George Boyd<br/>Torrisi, Alfred Fred<br/>*Uhler, Katherine Maher<br/>*Walters, Eleanor Boyd<br/>*Watson, Florence Kathleen<br/>Weems, Benjamin Burch<br/>*Wertz, Roy Albert<br/>Whelchell, Laura Darwin<br/>*Williams, William Lane<br/>*Wood, Fredric Marcus, Jr.<br/>Woodruff, Joseph Leroy<br/>Young, Mabel Dorothy</p> |
|---|---|

### MASTER OF EDUCATION

- |   |   |
|---|---|
| <p>*Bigham, Virgil Lee, Jr.<br/>*Boswell, Albert Sidney</p> | <p>*Campbell, Carrie Margaret Smith<br/>*Campbell, Robert Earle</p> |
|---|---|

\* Degree conferred *in absentia*.

- \*Carruth, Christian Hoover, Jr.  
 \*Cassell, Hugh Kent  
 \*Casto, Margaret Atkinson  
 \*Davis, Donald Albert  
 \*Demorest, Merrick Albert  
 Edmundson, Mary Lois  
 \*Folger, Ruth Marinda  
 \*Francis, Joseph Langhorne  
 \*Frear, Edgar Paul  
 Gentry, John Baker, Jr.  
 \*Hardman, Linn Jackson  
 \*Harrison, Carl Ross  
 \*Jacks, William LeRoy  
 \*Jenkins, Roy Brown  
 \*Joiner, Oscar Hardy  
 Jones, Elijah Newman  
 \*Kelley, J. T.  
 \*Lambert, James Alfred  
 \*Landis, Robert James  
 \*Langford, Rupert Wesley  
 \*Levin, Florence Cecilia  
 \*Lewis, Gomer, Jr.  
 \*McCamey, Kathryn Elizabeth  
 \*McDermott, Milford June
- \*Madison, Blaine Mark  
 \*Marshall, Clarence William  
 \*Miller, Charles Lee, Jr.  
 \*Mitchell, Edna Mae  
 \*Moler, James Milton  
 \*Painter, Edward Jackson  
 \*Palmour, Charles E. Anthony  
 \*Pearson, Anna Sophia  
 Pittman, Louie Delle  
 \*Reeves, Marie Louise  
 \*Ross, William Alexander  
 \*Spainhour, Richard Edward  
 \*Stauffer, Russell George  
 Tarrall, Elmer  
 \*Taylor, Doris Lavenia  
 \*Tew, Thelma Pearl  
 Townsend, Harley Vance  
 \*Vinson, Raymond Augustus  
 \*Wagner, Carl Leon  
 \*Wake, Orville Wentworth  
 \*Wolfe, Quentin Donald  
 \*Wollet, Charles Elmer  
 \*Worley, Claude

## DOCTOR OF PHILOSOPHY

- AYERS, JOHN CARR, A.B., Kalamazoo College; M.S., Kansas State College.  
 Dissertation: *The Cytology of the Anterior Hypophysis of the Immature Albino Rat.*
- BRIGHT, ROBERT DIETRICH, A.B., Dartmouth College.  
 Dissertation: *A Study of Certain Rearrangements and Elimination Reactions Effected by Bases.*
- BROWN, DALTON MILFORD, B.S., M.S., University of Tennessee.  
 Dissertation: *The Vegetation of Roan Mountain: An Ecological Study.*
- CHRISTENSON, JAMES ANDREAS, JR., A.B., Harvard College.  
 Dissertation: *A Questionnaire Analysis of Personality in Terms of Certain Motivational Categories.*
- CLEAVES, ALDEN PARKER, A.B., A.M., Boston University.  
 Dissertation: *The Infrared Absorption Spectrum of Methylamine Vapor.*
- COOPER, GERALD RICE, A.B., A.M., Duke University.  
 Dissertation: *The Study of Complex Ions in Solution by Means of Spectrophotometric Measurements and the Measurement of Magnetic Susceptibility.*
- COPELAND, LEWIS CAMPBELL, A.B., Texas Christian University; A.M., University of Chicago.  
 Dissertation: *The Function of Racial Ideologies with Special Reference to the Beliefs about the Negro.*
- CORRELL, DONOVAN STEWART, A.B., A.M., Duke University.  
 Dissertation: *A Taxonomic and Distributional Study of the Orchids of the Southeastern United States.*
- CREEGAN, ROBERT FRANCIS, A.B., Marietta College; A.M., Duke University.  
 Dissertation: *Human Individuality, Philosophically Considered.*
- EDWARDS, ALLEN DAVID, B.S., Western State Teachers College; Ph.M., University of Wisconsin.  
 Dissertation: *Influence of Drought and Depression on a Rural Community: A Case Study of Haskell County, Kansas.*

\* Degree conferred in absentia.

- FOERSTER, ALMA PAULINE, A.B., Mount Holyoke College; A.M., Smith College.  
Dissertation: *The State University in the Old South: A Study of Social and Intellectual Influences in State University Education.*
- GARBER, PAUL LESLIE, A.B., College of Wooster; B.D., Th.M., Louisville Presbyterian Theological Seminary.  
Dissertation: *The Religious Thought of James Henley Thornwell.*
- GODBOLD, ALBEA, A.B., B.D., Southern Methodist University; A.M., Yale University.  
Dissertation: *Some Factors in the Rise and Character of the Church Colleges in the Ante-Bellum Seaboard South.*
- HARWELL, GEORGE CORBIN, A.B., A.M., Duke University.  
Dissertation: *A Concordance to the Poetical Works of Matthew Arnold.*
- HECKMAN, OLIVER SAXON, A.B., Lebanon Valley College; A.M., University of Illinois.  
Dissertation: *Northern Church Penetration of the South, 1860-1880.*
- HENDERSON, ALFRED JAMES, A.B., A.M., University of Rochester.  
Dissertation: *London and the National Government, 1721-1742: A Study of City Politics and the Walpole Administration.*
- KIRBY-SMITH, JOHN SELDEN, B.S., University of the South; A.M., Duke University.  
Dissertation: *The Raman Spectra of the Gaseous Methyl Amines.*
- KLEIN, JAMES RAYMOND, A.B., Duke University.  
Dissertation: *A Study of the Tissue Metabolism of the Rat in Relation to Thyroid Activity.*
- MCGAVOCK, WILLIAM GILLESPIE, B.S., Davidson College; A.M., Duke University.  
Dissertation: *Annihilators of Quadratic Forms with Applications to Pfaffian Systems.*
- MOORE, EUNICE MARTHA, B.S., Maryland College for Women; A.M., Johns Hopkins University.  
Dissertation: *The Determination of the Dipole Moments of Some Organic Vapors.*
- MOORE, JERRY HAMILTON, B.S., Clemson College; M.S., N. C. State College.  
Dissertation: *The Distribution of the Fiber Population on the Cotton Seed and Its Relation to Fiber Length and Unit Fiber Weight in Five Varieties of American Upland Cotton.*
- OLIVER, HENRY MADISON, JR., A.B., Southwestern; A.M., Duke University.  
Dissertation: *Some Concepts of Economic Justice.*
- PECK, ROBERT LAWRENCE, B.S., Duke University.  
Dissertation: *Chemical Studies of Certain Pathogenic Fungi.*
- POHL, HERBERT ACKLAND, A.B., Duke University.  
Dissertation: *Dielectric Polarization of Carboxylic Acids in Dilute Non-Polar Solutions in Relation to Association.*
- POOL, FRANK KENNETH, A.B., A.M., Wake Forest College; Th.M., The Southern Baptist Theological Seminary.  
Dissertation: *The Southern Negro in the Methodist Episcopal Church.*
- SHARP, DAVID GORDON, B.S., Rutgers University; A.M., Duke University.  
Dissertation: *A Study of Certain Effects of Short Ultraviolet Rays on Several Species of Bacteria.*
- TILLEY, NANNIE MAY, A.B., Woman's College of the University of North Carolina; A.M., Duke University.  
Dissertation: *The Bright-Tobacco Industry, 1860-1929.*
- VERMILLION, HERBERT EDWARD, B.S., Monmouth College.  
Dissertation: *The Solubility of Some Aromatic Hydrocarbons and Their Halogen Derivatives in Water and the Solubility of Nitrobenzene in Deuterium Oxide.*

WANG, YEN-CHIEH, B.S., National Tsing Hua University; M.S., Cornell University.

Dissertation: *Studies of Interactions of Certain Site Factors and Young Loblolly Pine (Pinus taeda L.) Plantations.*

WATSON, KARL BRANTLEY, JR., B.S., A.B., University of Chattanooga; A.M., Duke University.

Dissertation: *An Experimental Study of Musical Meanings.*

WHARTON, GEORGE WILLARD, JR., B.S., Duke University.

Dissertation: *Ecological Studies on Certain Turtle Parasites.*

**SUMMARY OF ENROLLMENT IN THE GRADUATE SCHOOL**

Graduate students, Academic Year 1939-40.....	296
Graduate students, First Summer Term, 1939.....	869
Graduate students, Second Summer Term, 1939.....	392
Graduate students, Junaluska Summer School, 1939.....	17
<i>Total</i> .....	1,574
Deduct for duplications.....	344
<i>Total Enrollment</i> .....	1,230









VOLUME 12

May, 1940

NUMBER 7

# BULLETIN OF DUKE UNIVERSITY

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*The School of Religion*



1939-1940

ANNOUNCEMENTS FOR 1940-1941

PUBLISHED BY THE UNIVERSITY  
DURHAM, NORTH CAROLINA

## ANNUAL BULLETINS

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For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

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For BULLETIN OF THE SCHOOL OF NURSING, apply to *The Dean of the School of Nursing*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF RELIGION, apply to *The Registrar of the School of Religion*, Duke University, Durham, N. C.

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BULLETIN  
OF  
DUKE UNIVERSITY



THE SCHOOL OF RELIGION

1939-1940

ANNOUNCEMENTS FOR 1940-1941

DURHAM, NORTH CAROLINA

1940



## CALENDAR

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1940

- Sept. 20. Friday, 4:00 P.M.—First regular Faculty meeting.  
Sept. 21. Saturday—Matriculation and registration of students.  
Sept. 23. Monday, 8:00 A.M.—Instruction begins.  
Sept. 26. Thursday—Formal opening exercises.  
Oct. 5. Saturday—Last day for submitting subjects for B.D. theses.  
Oct. 10. Thursday—Fall retreat.  
Nov. 28. Thursday—Thanksgiving Day: a holiday.  
Dec. 11. Wednesday—Duke University Day.  
Dec. 20. Friday, 1:00 P.M.—Christmas recess begins.

1941

- Jan. 3. Friday, 8:00 A.M.—Instruction is resumed.  
Jan. 17. Friday—Mid-year examinations begin.  
Jan. 31. Friday—Matriculation and registration for second semester.  
Feb. 1. Saturday—Second semester begins.  
March 22. Saturday, 1:00 P.M.—Spring vacation begins.  
March 31. Monday, 8:00 A.M.—Instruction is resumed.  
May 15. Thursday—Last day for submitting B.D. theses.  
May 16. Friday—Final examinations begin.  
May 31. Saturday—Commencement opens; Senior Class Day; Meeting of Board of Trustees.  
June 1. Sunday—President's Address to Graduating Class; Commencement Sermon.  
June 2. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

## GENERAL ADMINISTRATION

---

FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., LL.D., Litt.D.  
*President of the University*

FLOWERS, ROBERT LEE, A.M., LL.D.  
*Vice-President in the Business Division, Secretary, and  
Treasurer of the University*

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.  
*Vice-President in the Educational Division of the University*

BROWN, FRANK CLYDE, A.B., A.M., Ph.D.  
*Comptroller of the University*

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### COMMITTEE OF THE BOARD OF TRUSTEES ON THE SCHOOL OF RELIGION

W. W. PEELE, T. M. GRANT, J. B. HURLEY, T. F. MARR

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## EDUCATIONAL ADMINISTRATION

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.  
*Dean of the School of Religion*

GARBER, PAUL NEFF, A.B., A.M., Ph.D.  
*Registrar of the School of Religion*

## INSTRUCTIONAL STAFF

---

\*BRANSCOMB, BENNETT HARVIE, A.B., M.A. (Oxon), Ph.D., Litt.D.

*Professor of New Testament*

\*\*CANNON, JAMES, III, A.B., A.M., Th.B., Th.M., D.D.

*Ivey Professor of the History of Religion and Missions*

CLARK, KENNETH WILLIS, A.B., B.D., Ph.D.

*Assistant Professor of New Testament*

DUBS, HOMER HASENPFLUG, A.B., M.A., B.D., Ph.D.

*Acting Professor of Philosophy*

GARBER, PAUL NEFF, A.B., A.M., Ph.D.

*Professor of Church History*

HART, HORNELL NORRIS, A.B., A.M., Ph.D.

*Professor of Social Ethics*

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.

*Professor of Preaching and the Psychology of Religion*

MYERS, HIRAM EARL, A.B., S.T.B., S.T.M.

*Professor of Biblical Literature*

ORMOND, JESSE MARVIN, A.B., B.D., D.D.

*Professor of Practical Theology*

OUTLER, ALBERT COOK, A.B., B.D., Ph.D.

*Assistant Professor of Historical Theology*

PETRY, RAY C., A.B., A.M., Ph.D.

*Assistant Professor of Church History*

ROWE, GILBERT THEODORE, A.B., S.T.D., D.D., Litt.D.

*Professor of Christian Doctrine*

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.

*Professor of Biblical Interpretation*

SMITH, HILRIE SHELTON, A.B., Ph.D., D.D.

*Professor of Christian Ethics and Religious Education*

SPENCE, HERSEY EVERETT, A.B., A.M., B.D., D.D.

*Professor of Religious Education*

STINESPRING, WILLIAM FRANKLIN, B.A., M.A., Ph.D.

*Associate Professor of Old Testament*

---

ADAMS, DONALD KEITH, A.B., M.A., Ph.D.

*Associate Professor of Psychology*

---

\* Absent on leave, second semester, 1939-40.

\*\* Absent on leave, second semester, 1940-41.



BARNES, JAMES FOSTER, A.B., A.M.  
*Instructor in Church Music*

CRISPELL, RAYMOND, A.B., M.D.  
*Associate Professor of Neuropsychiatry*

ELWOOD, CHARLES ABRAM, Ph.B., Ph.D., LL.D.  
*Professor of Sociology*

HAINES, HOWARD N., B.S.  
*Instructor in Church Architecture*

JENSEN, HOWARD EIKENBERRY, A.B., A.M., B.D., Ph.D.  
*Professor of Sociology*

LEVER, OSCAR WILLIAM, A.B., A.M.  
*Instructor in Homiletics and Biblical Literature*

LUNDHOLM, HELGE, Ph.D.  
*Professor of Psychology*

MORGAN, GEORGE ALLEN, JR., A.B., A.M., Ph.D.  
*Associate Professor of Philosophy*

THOMPSON, EDGAR TRISTRAM, A.B., A.M., Ph.D.  
*Assistant Professor of Sociology*

WIDGERY, ALBAN GREGORY, B.A., M.A.  
*Professor of Philosophy*

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#### COMMITTEES OF THE FACULTY

*Admissions*—The Dean, the Registrar, and Professor Smith.

*Bulletin*—Dean Russell and Professors Cannon, Garber, Spence, and Rowe.

*Extension*—Professors Hickman, Rowe, Ormond, and Acting Professor Dubs.

*Library*—Professors Cannon, Rowe, Myers, and Assistant Professors Petry and Clark.

*Public Exercises*—Dean Russell and Professors Branscomb, Hart, Spence, and Associate Professor Stinespring.

*Registration and Advanced Standing*—The Registrar, the Dean, and Professor Cannon.

*Theses*—Professors Cannon, Garber, Hickman, Smith, and Assistant Professor Outler.

*Representatives on Joint Committee on Junaluska School of Religion*—President Few, Dean Russell, and Professor Garber.

# SCHOOL OF RELIGION IN DUKE UNIVERSITY

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## HISTORICAL STATEMENT

The present Duke University has been gradually developed from a simple beginning in a local school established in 1838 in the northwestern part of Randolph County, North Carolina. This school was enlarged in 1840 and named Union Institute. In 1841 it was incorporated as Union Institute Academy by the legislature of North Carolina. Under the leadership of President Braxton Craven, the Academy grew into an institution chartered as Normal College in 1851. An amendment to the charter in November, 1852, authorized Normal College to grant degrees, and two students were graduated in 1853 with the degree of Bachelor of Arts.

In 1859 the charter of Normal College was amended to place the institution under the control of the Methodist Episcopal Church, South, and the name was changed to Trinity College. Dr. John Franklin Crowell became president of Trinity College in 1887. The most important achievement of his administration was the removal of the College to Durham, North Carolina, which was accomplished by September, 1892.

President Crowell resigned in 1894, and was succeeded by the Reverend John Carlisle Kilgo, D.D. During President Kilgo's administration the endowment of Trinity College was greatly increased, a library and other important buildings were erected, and notable progress was made in increasing the variety and improving the quality of the courses of instruction. A School of Law was established in 1904 by the gift of James B. and Benjamin N. Duke. In 1910 President Kilgo was succeeded by Dr. William Preston Few.

Trinity College has experienced a great expansion in faculty, endowment, buildings, and equipment during President Few's administration. In December, 1924, James B. Duke established a \$40,000,000 trust fund for educational and charitable purposes. Trinity College accepted the terms of the indenture of trust on December 29, 1924, and on the following day the name of the institution was changed to Duke University. Mr. Duke's death in 1925 was followed by the announcement of munificent provisions in his will for the development of the University which bears his family name.

## THE SCHOOL OF RELIGION

Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctive Christian auspices. There has been no departure from this clearly defined aim. On the contrary, there has been ever increasing emphasis placed upon this feature of the work of the College, especially in the provision in the curriculum for a great variety of courses on the Bible and other religious subjects.

Through the gift of James B. Duke, the School of Religion and its curriculum have been separated from the work of the Department of Religion in Trinity College. Among those for whom his gift was intended Mr. Duke placed ministers first. He felt sure that his native state of North Carolina stood in need primarily of a better educated and more efficiently trained ministry. The organization of the School of Religion of Duke University, the first of the professional schools to start its work, is the carrying out of this intention on the part of Mr. Duke. The work of the School began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

The School of Religion is a member of the American Association of Theological Schools and was included in the list of accredited theological schools approved by the Association in June, 1938.

### THE PURPOSE OF THE SCHOOL OF RELIGION

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The School of Religion of Duke University purposes to offer training for all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who is placed before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently, the School of Religion is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

### RELATION OF THE SCHOOL OF RELIGION TO DUKE UNIVERSITY

As one of the co-ordinate schools of Duke University, the School of Religion is in closest touch with the other schools, particularly with Trinity College and with the Graduate School of Arts and Sciences. Various privileges of Duke University are open to students of the School of Religion. Students in the School are expected to take part in the religious and social life of the University campus and to share in athletic interest and activities.

### REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign

countries as well as to students from institutions in the United States. They must satisfy the Faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official, or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men. Graduates from nonaccredited institutions may be admitted on probation.

### PART-TIME SCHEDULES

Students who are not giving full time to their studies in the School of Religion may carry only limited schedules of class work.

### REQUIREMENTS FOR GRADUATION

The requirements for the degree of Bachelor of Divinity are ninety semester hours, six semester hours of which shall be covered by the writing of an adequate thesis, either in a thesis seminar or under supervised thesis guidance. The course is planned to cover three years, of two semesters each. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the School of Religion, and has satisfactorily completed a minimum of twenty-four semester hours of work.

### THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field, and must be filed with the Dean of the School of Religion on or before October 5 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes shall be permitted, except changes for the purpose of clarification or limitation of the subject. A student who does not complete his thesis within a period of three years from the date of the approval of his subject must secure a reapproval of the old subject or the approval of a new subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except on the approval of the Committee on Theses upon the recommendation of the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be between one hundred and one hundred and twenty pages in length, inclusive of introduction, conclusion, appendices, and bibliography, except in unusual cases clearly recognized as such by the

Committee on Theses in approving thesis subjects. The student, the director, and the Committee on Theses shall be responsible for the selection and approval of such subjects as can be treated satisfactorily within these limits.

The thesis shall be read by a committee of three members of the Faculty of the School of Religion, one of whom shall be the professor under whose direction the thesis has been written, and two other members appointed by the Dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the Committee of Examination, including the representative of the department in which the thesis was written.

A complete, typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by May 1, and three permanently bound typewritten copies shall be presented for examination not later than May 15 of the year in which it is expected the degree will be conferred. Theses submitted after May 15 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination, such retyping and rebinding of the thesis as the Committee of Examination may desire shall be required.

#### PRESEMINARY CURRICULUM

The School of Religion in substantial agreement with the standards of the American Association of Theological Schools recommends that prospective candidates for admission keep in mind the desirability of including the following in their undergraduate curriculum:

Two years' work in English literature and composition.

Two years in a foreign language.

One semester each in psychology, philosophy, and sociology (or economics).

One year in history.

An introduction to the natural sciences with adequate laboratory work (biology or one of the physical sciences).

Proficiency in public speaking.



## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

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### GENERAL REQUIREMENTS

Ninety semester hours are required for graduation. Forty-five of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics	6 s.h.
History of Religion and Missions	6 s.h.
Religious Education	3 s.h.
Practical Theology	3 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.
	45 s.h.

### MAJORS AND THESES

Each student must select a major field in which he elects to write his thesis and in which he must take fifteen semester hours including the general requirement in that field. This choice must be made by the end of the Middle year. A student may take his major in any of the departments of the School of Religion. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the Departments of Old Testament and New Testament six semester hours in the Department of Old Testament and six semester hours in the Department of New Testament, exclusive of language.

### DISTRIBUTION OF COURSES BY YEARS

#### JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester hours shall be chosen from the remaining required courses in the Departments of Practical Theology, Religious Education, History of Religion and Missions, but not more than six semester hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.

30 s.h.

#### MIDDLE YEAR

Christian Doctrine	6 s.h.
Homiletics	6 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.

After completing all other required courses, the remainder of the work of this year is elective, but not more than twelve semester hours shall be taken in one department.

15 s.h.

30 s.h.

## SENIOR YEAR

In the Senior year the student must fulfill all general requirements not completed in the Junior and Middle years. The remainder of the work is elective.

30 s.h.

**TABLE OF REQUIRED COURSES****OLD TESTAMENT**

203-204. Introduction to the Old Testament 6 s.h.

**NEW TESTAMENT**

213-214. The Beginnings of Christianity 6 s.h.

**CHRISTIAN DOCTRINE**

321. Introduction to Theology, *and* 3 s.h.

322. Introduction to the History of Christian Thought 3 s.h.

**CHURCH HISTORY**

233. Church History to the Reformation 3 s.h.

234. The History of the Evangelical Movement 3 s.h.

**HOMILETICS**

SR341-342. Theory and Practice of Preaching 6 s.h.

**PRACTICAL THEOLOGY**

351. Church Administration 3 s.h.

**RELIGIOUS EDUCATION**

262. The Educational Work of the Church 3 s.h.

**PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS**

291. Christian Ethics 3 s.h.

**HISTORY OF RELIGION AND MISSIONS**

281. Living Religions of the World 3 s.h.

SR282. Missionary Promotion 3 s.h.

## COURSES OF INSTRUCTION\*

### OLD TESTAMENT

201-202. **First Hebrew.**—The principles and structure of the Hebrew language with translation of selected Old Testament narratives. M.W.F. at 11:30. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

203-204. **Introduction to the Old Testament.**—The origin, literary forms, and contents of the books of the Old Testament in their geographical and historical setting. M.W.F. at 8:00 and 9:10 (first semester). 6 s.h. PROFESSOR RUSSELL AND ASSOCIATE PROFESSOR STINESPRING

301. **Old Testament Theology.**—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL

302. **The Exegesis of Selected Books of the Old Testament.**—A study of the Wisdom Literature with special emphasis on the Book of Job. Based on the English text. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

[Not offered in 1940-41]

304. **Aramaic.**—A study of the Aramaic portions of the Old Testament, and selected passages from the Targums, Midrashes, and Talmuds. Hours to be arranged. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

[Not offered in 1940-41]

305-306. **Elementary Arabic.**—No prerequisite, but one year of Hebrew recommended as preparation. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

[Not offered in 1940-41]

307-308. **Second Hebrew.**—Samuel or Kings the first semester and Isaiah the second. M.W.F. at 2:00. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

309. **History of the Ancient Near East.**—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archaeology. T.Th.S. at 11:30. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

310. **Old Testament Prophecy.**—A study of the social teachings of the Old Testament with special reference to the prophets of the eighth century B.C. T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

401-402. **Thesis Seminar.**—For students majoring in the Department of Old Testament. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

### NEW TESTAMENT

SR211-212. **Hellenistic Greek.**—A course for students who wish to begin the study of New Testament Greek. T.Th.S. at 8:00. 6 s.h., provided the student takes six semester hours in New Testament Greek the following year. ASSISTANT PROFESSOR CLARK

\* On recommendation of the professor in charge of the major field, courses offered in the Graduate School of Arts and Sciences, other than those approved for credit in the School of Religion, may be approved for credit in individual cases, provided no equivalent course is offered in the School of Religion; each case to be decided on its merits.

**213-214. The Beginnings of Christianity.**—A survey course dealing with the background, the beginnings, and the early history of Christianity. Special attention is given to the creation of the literature of the New Testament. M.W.F. at 8:00 and 9:10 (second semester). **6 s.h.**

PROFESSOR BRANSCOMB AND ASSISTANT PROFESSOR CLARK

**217. The New Testament in Greek.**—Considerable portions of the Greek text of the New Testament will be read and the principles of Hellenistic Greek studied. Prerequisite: six semester hours' study of the Greek language. T.Th.S. at 9:10. **3 s.h.**

PROFESSOR BRANSCOMB

**218. Galatians and I Corinthians.**—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. Prerequisite: New Testament 217 or its equivalent. T.Th.S. at 9:10. **3 s.h.**

[Not offered in 1940-41]

ASSISTANT PROFESSOR CLARK

**219. Life of Paul.**—A study of Paul's life on the basis of Acts and the letters of Paul, emphasizing the permanent values in Paul's work and his contribution to the world. T.Th.S. at 11:30. **3 s.h.**

PROFESSOR MYERS

[Not offered in 1940-41]

**220. I Peter and the Gospel of John.**—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. Prerequisite: New Testament 217 or its equivalent. T.Th.S. at 9:10. **3 s.h.**

ASSISTANT PROFESSOR CLARK

**311. The Life and Teachings of Jesus.**—Prerequisite: New Testament 213-214. M.W.F. at 10:20. **3 s.h.**

PROFESSOR BRANSCOMB

**312. New Testament Theology.**—The religious teachings of the books of the New Testament. Prerequisite: New Testament 213-214. M.W.F. at 10:20. **3 s.h.**

PROFESSOR RUSSELL

**314. Exegesis of Selected Books of the New Testament.**—The books studied will be Romans, James, First John. The study will be based on the English text. Prerequisite: New Testament 213-214. T.Th.S. at 11:30. **3 s.h.**

ASSISTANT PROFESSOR CLARK

**315. Hellenistic Religions at the Beginning of the Christian Era.**—Prerequisite: New Testament 213-214. T.Th.S. at 10:20. **3 s.h.**

ASSISTANT PROFESSOR CLARK

**316. Judaism at the Beginning of the Christian Era.**—A study of Judaism from the time of Ben Sirach to the writing of the Mishna. Prerequisite: New Testament 213-214. T.Th.S. at 10:20. **3 s.h.**

PROFESSOR BRANSCOMB

**318. Text of New Testament.**—A study of the materials for the reconstruction of the text, the principles of textual criticism, and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. Prerequisite: New Testament 213-214 and a reading knowledge of Greek. T.Th.S. at 10:20. **3 s.h.**

ASSISTANT PROFESSOR CLARK

**411-412. Thesis Seminar.**—The materials and methods for the investigation of New Testament problems, with individual research done under the direction of the members of the Department. Admission by special permission. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.)

DEPARTMENTAL STAFF

## CHRISTIAN DOCTRINE

**221. Platonism and Christianity.**—An analysis of Plato's religious philosophy and a survey of its continuing influence in Hellenistic and Christian thought. Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). T.Th. 2:00-3:30. 3 s.h.

ASSISTANT PROFESSOR OUTLER

**222. Theology and Philosophy in the Nineteenth Century.**—A study of Protestant thought from Schleiermacher to Troeltsch, with special attention to the reciprocal relations between theology and metaphysics. Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). T.Th. 2:00-3:30. 3 s.h.

ASSISTANT PROFESSOR OUTLER

**321. Introduction to Theology.**—An examination of types of theological method and an indication of some of the results obtained through a resort to observation and experience in theological investigation. M.W.F. at 8:00. 3 s.h.

PROFESSOR ROWE

**322. Introduction to the History of Christian Thought.**—A rapid survey of the main problems, thinkers, and epochs in the theological development of Christianity from its beginnings to the end of the nineteenth century. M.W.F. at 8:00. 3 s.h.

ASSISTANT PROFESSOR OUTLER

**323. The Christian Conception of the Church.**—A historical survey of the ways in which the Christian tradition has interpreted the idea of the church, followed by a critical analysis of the theological implications of such contemporary problems as church and state, church and culture, and the ecumenical movement. Prerequisite: Christian Doctrine 321. M.W.F. at 11:30. 3 s.h.

ASSISTANT PROFESSOR OUTLER

**324. The Content of Christian Doctrine.**—A comprehensive survey of the doctrines of Christianity as presented systematically in the works of some recent theologians. Prerequisite: Christian Doctrine 321. M.W.F. at 11:30. 3 s.h.

PROFESSOR ROWE

**325. Soteriology.**—A study of the Christian doctrine of salvation and a comparison of the various ways by which the saving power of God is understood to take effect in personal and social life. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ROWE

[Not offered in 1940-41]

**326. Eschatology.**—A study of "the last things" in the light of the Christian hope for the individual and for society with special consideration of the Christian doctrine of immortality. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ROWE

[Not offered in 1940-41]

**327. Arminian Theology.**—A study of Arminianism in the religious thought of England and America with special reference to the system of doctrine contained in the theological writings and doctrinal standards of Methodism. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ROWE

**328. Current Theology.**—A survey of the fields of current theology with special attention given to the most significant and influential movements of reconstruction and reaction in contemporary Christianity. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ROWE

**329. Seminar in Historical Theology.**—Selected problems in the history of Christian thought, with special reference to the relation between theology and philosophy. 2 s.h.

ASSISTANT PROFESSOR OUTLER



**421-422. Thesis Seminar.**—A seminar in thesis guidance. For students majoring in the Department of Christian Doctrine. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

### CHURCH HISTORY

**233. Church History to the Reformation.**—A survey of the growth of the Christian Church from the Apostolic Age to the Reformation. M.W.F. at 10:20. 3 s.h. ASSISTANT PROFESSOR PETRY

**234. History of the Evangelical Movement.**—Beginning with the Lutheran Reformation, this course traces the rise, growth, influence, and history to 1800 of the Calvinistic, Anglican, Reformed, Quaker, Baptist, and Methodist movements. M.W.F. at 10:20. 3 s.h. PROFESSOR GARBER

**331. The Social Message of the Early and Medieval Church.**—A study of the social teachings of the Christian Church prior to the Protestant Reformation, stressing the contributions of Christianity to social progress. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

**332. The Medieval Church.**—Outstanding characteristics of the Medieval Church, emphasizing theory, polity, institutions, sacraments, and worship. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

**333. The Church in Europe since 1800.**—Emphasis is placed on the relation of the church to the social, economic, and political life of modern Europe. Prerequisite: Church History 233-234. T.Th.S. at 10:20. 3 s.h. [Not offered in 1940-41] PROFESSOR GARBER

**334. A History of Christian Renunciation in the Middle Ages.**—A study of the renunciatory ideal and of spiritual practices with special reference to Benedictines, Franciscans, Lowland mystics, and leading seculars. Prerequisite: Church History 233-234. M.W.F. at 11:30. 3 s.h. [Not offered in 1940-41] ASSISTANT PROFESSOR PETRY

**335-336. The Church in America.**—The church as a factor in the social, economic, and political life of America. Prerequisite: Church History 233-234. T.Th.S. at 10:20. 6 s.h. PROFESSOR GARBER

**337. Religion in the Southern States since the Civil War.**—A study of the religious life of the Southern people since 1865. Prerequisite: Church History 233-234. 3 s.h. [Not offered in 1940-41] PROFESSOR GARBER

**338. Methodism.**—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. Prerequisite: Church History 233-234. M.W.F. at 11:30. 3 s.h. PROFESSOR GARBER

**431. Modern Religious Leaders.**—A study of outstanding individuals who have influenced the thought and program of the modern church. The life, work, and contributions of about twenty representative Christian leaders. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h. PROFESSOR GARBER

**432. Religious Leaders of the Early and Medieval Church.**—Among those to be studied are Justin Martyr, Origen, Cyprian, Athanasius, Jerome, Augustine, Benedict of Nursia, Gregory VII, Abelard, Innocent III, Francis of Assisi, Thomas Aquinas, and John Wyclif. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h. ASSISTANT PROFESSOR PETRY

**437-438. Thesis Seminar.**—Principles and practice of research. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) T. at 2:00. DEPARTMENTAL STAFF

### HOMILETICS

**SR341-342. Theory and Practice of Preaching.**—Investigation of practical problems in preaching to determine causes of success and failure. Practice preaching. T.Th.S. at 9:10. 6 s.h. PROFESSORS HICKMAN, MYERS, AND ROWE

**346. Doctrinal Preaching.**—An inductive study of the doctrinal emphasis in preaching, with particular attention to abiding doctrinal truths in an age of changing intellectual and social perspectives. T.Th.S. at 8:00. 3 s.h.  
[Not offered in 1940-41] PROFESSOR HICKMAN

**347. History of Preaching.**—A study of significant periods and their representative preachers, to determine their value for modern preaching. M.W.F. at 11:30. 3 s.h.  
[Not offered in 1940-41] PROFESSOR MYERS

**348. Materials of Preaching.**—A critical evaluation of selected portions of the Bible and of some non-Biblical materials for constructive modern preaching. M.W.F. at 11:30. 3 s.h.  
[Not offered in 1940-41] PROFESSOR MYERS

**343. Pastoral Psychology.**—Identical with Psychology of Religion 373. T.Th.S. at 8:00. 3 s.h.  
[Not offered in 1940-41] PROFESSOR HICKMAN

**344. Psychology of Preaching.**—Identical with Psychology of Religion 374. T.Th.S. at 8:00. 3 s.h.  
[Not offered in 1940-41] PROFESSOR HICKMAN

### PRACTICAL THEOLOGY

**351. Church Administration.**—The minister's qualifications for church administration; the minister's service in managing the church organization and supervising the program. T.Th.S. at 11:30. 3 s.h. PROFESSOR ORMOND

**352. The Rural Church and the Community.**—A study of rural conditions with special emphasis upon the church as a community institution. M.W.F. at 11:30. 3 s.h.  
[Not offered in 1940-41] PROFESSOR ORMOND

**354. Public Worship and Ordinances of the Church.**—The principles and practice of public worship; attention to the use of the ritual in the church. M.W.F. at 11:30. 3 s.h. PROFESSOR ORMOND

**SR358a. Church Music.**—A study of hymnology, song leading, and problems of the modern church choir. M.W. at 11:30. 2 s.h. MR. BARNES

**SR358b. Church Architecture.**—A study of the best types of church architecture for attractiveness and effective service in open country and towns. F. at 11:30. 1 s.h. MR. HAINES

**SR453-454. Practicum on Rural Church Work.**—(a) Using actual experiences of students in rural churches for studies in ministerial efficiency. (b) Emphasis upon the minister's character and personality as essentials to successful leadership. W. at 2:00 P.M. PROFESSOR ORMOND

[Required of all students holding appointments on the Duke Endowment. No academic credit.]

\*220. **Rural Sociology.**—Identical with Sociology 220. M.W.F. at 8:00.  
3 s.h. ASSISTANT PROFESSOR THOMPSON

373. **Pastoral Psychology.**—Identical with Psychology of Religion 373.  
T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN  
[Not offered in 1940-41]

\*\*459. **Introduction to Psychiatry.**—Th. at 1:30. 1 s.h.  
ASSOCIATE PROFESSOR CRISPELL

### RELIGIOUS EDUCATION

262. **The Educational Work of the Church.**—A consideration of the total task of the church from an educational viewpoint. Attention will be given to such fundamental aspects as principles and objectives of the educative process, curriculum, supervision, worship and leadership education and guidance. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

263. **Curriculum of Religious Education.**—Educational conceptions of the curriculum; values and uses of current curricula; principles and technics of curriculum construction. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE  
[Not offered in 1940-41]

264. **Foundations of Religious Education.**—A study of the fundamental conceptions underlying the theory of Christian education, including social, psychological, and theological aspects. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH

SR265. **Religious Drama.**—A study of the uses and underlying principles of religious drama, followed by a critical examination of selected dramatic productions. M.W.F. at 9:10. 3 s.h. PROFESSOR SPENCE

266. **Educational Aspects of Worship.**—A study of worship in its bearing upon the educational function of the Christian religion. Students admitted on consultation. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH

267. **Technic of Teaching Religion.**—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

SR268. **Drama Construction and Production.**—The course will deal with the use of drama in religious education with special reference to the church and church school. It is contemplated that there will be practice in teaching through dramatics, in actually creating dramatic programs of worship, and in the writing and producing of drama. M.W.F. at 9:10. 3 s.h. PROFESSOR SPENCE

366. **Seminar in Philosophy of Religious Education.**—A critical study of the basic concepts and theories underlying religious education. Prerequisite: Religious Education 262 or its equivalent. T. at 3:30. 2 s.h. PROFESSOR SMITH  
[Not offered in 1940-41]

393-394. **Religious Thought in the Rise of American Culture.**—Identical with Philosophy of Religion and Christian Ethics 393-394. T.Th.S. at 9:10. 6 s.h. PROFESSOR SMITH

461-462. **Thesis Seminar.**—A seminar in thesis guidance. For students majoring in the Department of Religious Education. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR SPENCE

\* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

\*\* Course offered in the School of Medicine which is credited toward the degree of Bachelor of Divinity.

## PSYCHOLOGY OF RELIGION

275. **Psychology of Religion I.**—An analysis of the major factors in religious experience. T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN

276. **Psychology of Religion II.**—A study of the genesis and growth of religious experience. T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN

373. **Pastoral Psychology.**—Study of basic psychological and psychiatric principles bearing upon cases necessarily dealt with in pastoral work. T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN

[Not offered in 1940-41]

374. **Psychology of Preaching.**—A psychological study of the preaching motive, the relation of the preacher to his congregation, and the relation of the preacher to society in general. T.Th.S. at 8:00. 3 s.h. PROFESSOR HICKMAN

[Not offered in 1940-41]

375-376. **Seminar in Mysticism.**—An analytical study and evaluation of mystical phases of Christianity. Prerequisite: Psychology of Religion 275 or its equivalent. Th. 3:30-5:30. 4 s.h. PROFESSOR HICKMAN

377-378. **Seminar: Theories of Self.**—Bearing of psychological theories of self upon religious theory. For advanced students in philosophy, psychology, or psychology of religion. T. 3:30-5:30. 4 s.h. PROFESSOR HICKMAN

471-472. **Thesis Guidance.**—(Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR HICKMAN

PROFESSOR HICKMAN

\*206. **Social Psychology.**—Open to students in School of Religion on consent of instructor. M.W.F. at 10:20. 2 s.h. ASSOCIATE PROFESSOR ADAMS

\*219. **History of Psychology.**—Open to students in the School of Religion on consent of instructor. 2 s.h. PROFESSOR \_\_\_\_\_

\*223. **Abnormal Psychology.**—Open to students in School of Religion on consent of instructor. T.Th.S. at 10:20. 3 s.h. PROFESSOR LUNDHOLM

\*228. **Psychology of Belief.**—Open to students in School of Religion on consent of instructor. T.Th. at 10:20. 2 s.h. PROFESSOR LUNDHOLM

[Not offered in 1940-41]

## PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. **Christian Ethics.**—An historical and systematic study of Christian conceptions of the moral life and its problems. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH

PROFESSOR SMITH

293. **The Christian Religion and Modern Thought.**—A consideration of certain conspicuous features in the thought of our times as they bear upon the Christian faith and the problems of the religious man. W.F. at 2:00-3:15. 3 s.h. ACTING PROFESSOR DUBS

ACTING PROFESSOR DUBS

294. **The Christian Religion and Values.**—The problem of the meaning of human life as discussed in modern theories of values. The Christian conception of values and their relative emphases as contrasted with some contemporary opposing views. W.F. at 2:00-3:15. 3 s.h. ACTING PROFESSOR DUBS

ACTING PROFESSOR DUBS

\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

**295. Philosophical Foundations of Religious Belief I.**—The nature of religion, its types and their characteristics as bearing upon contemporary Christianity. T.Th. at 2:15-3:30. 3 s.h. ACTING PROFESSOR DUBS

**296. Philosophical Foundations of Religious Belief II.**—The problems of knowledge and value; the values of religion; the ideal religion; an attempt to formulate a tenable theistic philosophy. T.Th. at 2:15-3:30. 3 s.h. ACTING PROFESSOR DUBS

**393-394. Religious Thought in the Rise of American Culture.**—A survey of the main developments in American religious thought in relation to the growth of civilization and culture. T.Th.S. at 9:10. 6 s.h. PROFESSOR SMITH

**397. Seminar in American Religious Thought.**—Selected problems, chiefly of the nineteenth century. T. at 3:30. 2 s.h. PROFESSOR SMITH

**398. Seminar in Christian Ethics.**—A critical study of selected problems. T. at 3:30. 2 s.h. PROFESSOR SMITH

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**\*203. The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. T.Th.S. at 11:30. 3 s.h. ASSOCIATE PROFESSOR MORGAN

**\*209. Philosophy of Religion I: Philosophical Introduction.**—Religion viewed with the standpoint of consideration of deity. T.Th. at 2:15-3:30. 3 s.h. PROFESSOR WIDGERY

[Not offered in 1940-41]

**\*210. Philosophy of Religion II: Philosophical Introduction.**—Religion viewed from the standpoint of the nature of man, his origin and destiny. T.Th. at 2:15-3:30. 3 s.h. PROFESSOR WIDGERY

[Not offered in 1940-41]

**\*226. The History of Ethics.**—Theories of morality from Socrates to the present time. 3 s.h. ASSOCIATE PROFESSOR MORGAN

## SOCIOLOGY

At least five semester hours of undergraduate sociology are prerequisite to all courses of the Department, except SR202 and 234. Sociology SR202 is designed especially for students whose undergraduate training in sociology has been inadequate. Such students who wish to pursue further work in the Department are advised to enroll in course SR202 as an elective as soon as possible after matriculation in the School of Religion.

**SR202. Sociology and Religion.**—The bearing of sociology upon religious problems and religious work. M.W.F. at 2:00. 3 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]

**231. General Anthropology.**—A study of the evolution of man and of human culture. The prehistoric human types; modern races; the evolution of tools, technology, family life, political institutions, art and language. M.W.F. at 10:20. 3 s.h. PROFESSOR HART

[Not offered in 1940-41]

**232. Cultural Anthropology.**—A study of the processes of cultural change. The emergence of magic, religion, morals and science; invention and diffusion; the dynamics of social change; the role and methods of the social innovator. M.W.F. at 10:20. 3 s.h. PROFESSOR HART

[Not offered in 1940-41]

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\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.



**233. The World Crisis in the Light of Social Anthropology.**—Present world issues in the light of the trends of human culture and of the dynamic processes through which men may take part in determining the future of civilization. M.W.F. at 9:10. 3 s.h.  
PROFESSOR HART

**234. Social Ethics.**—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men—particularly capacities for creative co-operation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? M.W.F. 10:20. 3 s.h.  
PROFESSOR HART

**242. Marriage and the Family.**—A survey of the problems connected with the institutions of marriage and the family in our civilization. M. at 3:20-5:10. 2 s.h.  
PROFESSOR HART

[Not offered in 1940-41]

**317. Seminar in Anthropology.**—A seminar for advanced students who wish to pursue individual studies in racial or cultural anthropology. Only students who have satisfactorily completed courses 231 and 232 (or their equivalents) will be admitted. M.W. at 3:45-5:00. 3 s.h.  
PROFESSOR HART

**318. Religion and the World Crisis.**—An inquiry into the bearings of religion upon past social evolution and upon the possible future development of civilization. M.W. at 3:45-5:00. 3 s.h.  
PROFESSOR HART

**421-422. Thesis Seminar.**—A seminar in thesis guidance for students majoring in sociology. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.  
PROFESSOR HART

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**\*205. Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. T.Th.S. at 8:00. 3 s.h.  
[Offered in second semester, 1940-41] PROFESSOR JENSEN

**\*206. Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. T.Th.S. at 8:00. 3 s.h.  
PROFESSOR JENSEN

**\*212. Child Welfare.**—A study of heredity and environment as factors in personality development: infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. 3 s.h.  
PROFESSOR JENSEN

[Not offered in 1940-41]

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\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

\*219. **Urban Sociology.**—This course studies the function of the city in the larger community which it nucleates both as market and as industrial center. More detailed attention, however, is given to the inner life and problems of the city. T.Th.S. at 9:10. 3 s.h. ASSISTANT PROFESSOR THOMPSON

\*220. **Rural Sociology.**—A study of the societies developed by people who settle the land and exploit it for a livelihood. The institutions peculiarly rural are the family farm, the peasant village, the ranch, and the plantation. In this course special attention is given to the plantation and the rural problems of the South. M.W.F. at 8:00. 3 s.h.

ASSISTANT PROFESSOR THOMPSON

\*319. **Principles of Sociology.**—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ELLWOOD

\*320. **History of Social Philosophy.**—Lectures on the development of social thought from Aristotle to the present; the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Shaeffle, Lilienfeldt, Gumpłowicz, Ratzehofer, and Ward, will, among others, be considered. T.Th.S. at 10:30. 3 s.h.

PROFESSOR JENSEN

#### HISTORY OF RELIGION AND MISSIONS

281. **Living Religions of the World.**—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. T.Th.S. at 10:20. 3 s.h.

PROFESSOR CANNON

SR282. **Missionary Promotion.**—The history and promotion of the missionary enterprise at the home base and abroad. T.Th.S. at 10:20. 3 s.h.

PROFESSOR CANNON

284. **Comparative Religion.**—The ideas of God, sin, salvation, the future life, and ethics in the religions of the world. Prerequisite: 281. M.W.F. at 9:10. 3 s.h.

PROFESSOR CANNON

[Not offered in 1940-41]

285. **The Religions of the Far East.**—A study of the religious systems of China, Korea, and Japan. T.Th.S. at 11:30. 3 s.h. ACTING PROFESSOR DUBS

[Offered in second semester, 1940-41]

286. **The Religions of India.**—A study of present-day religious movements in India, with special reference to Hinduism. T.Th.S. at 9:10. 3 s.h.

[Not offered in 1940-41]

PROFESSOR CANNON

287. **Mohammedanism.**—The life of Mohammed and the religion of Islam, special attention being given to the Koran and its teachings. The aim is to interpret Mohammedanism as a force today. Prerequisite: 281. M.W.F. at 9:10. 3 s.h.

PROFESSOR CANNON

289. **Buddhism.**—India at the rise of Buddhism. Life of the Buddha and the teachings of early Buddhism. Development into the Hinayana and Mahayana schools, its spread and present condition in southern and eastern Asia. Prerequisite: 281. M.W.F. at 9:10. 3 s.h.

PROFESSOR CANNON

[Not offered in 1940-41]

\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

**481-482. Thesis Seminar.**—Problems of research in History of Religion and Missions. Open to advanced students on approval of the instructor. Prerequisite: six semester hours in the department. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.)

PROFESSOR CANNON

### COURSES ON THE MIDDLE AND FAR EAST

In addition to the courses offered in the Department of History of Religion and Missions of the School of Religion, attention is directed to the following courses in various departments of Duke University dealing with Middle and Far Eastern civilizations.

**History of the United States' Foreign Policy.**—6 s.h. History 215-216.  
ASSOCIATE PROFESSOR CLYDE

**Eastern Asia and the Pacific.**—6 s.h. History 241-242.  
ASSOCIATE PROFESSOR CLYDE

**Political Institutions of the Far East.**—A study of the governmental systems of Japan, Korea, and China from the Chow Dynasty to the present. 3 s.h. Political Science 211.  
ASSOCIATE PROFESSOR LINEBARGER

**International Politics of the Far East.**—A study of changing power relationships in the Orient since the arrival of the Europeans. 3 s.h. Political Science 212.  
ASSOCIATE PROFESSOR LINEBARGER

**Chinese Philosophy.**—3 s.h. Philosophy 236. ACTING PROFESSOR DUBS

**Indian Philosophy.**—3 s.h. Philosophy 238. PROFESSOR WIDGERY

## GENERAL INFORMATION

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### FEES

Tuition is remitted to students matriculated in the School of Religion, for which they are expected to render from time to time service which shall not interfere with their work in the School of Religion.

Each student is assessed per semester as follows:

Matriculation Fee .....	\$25.00
Library Fee .....	5.00
Athletic Fee .....	5.00
Publication Fee (optional) .....	2.50
Hospital Fee .....	5.00
Damage Fee .....	1.00

Each student is assessed, in the last semester before a degree is conferred, a Commencement Fee of \$3.00 and a Diploma Fee of \$5.00. The latter fee is refunded if the diploma is not awarded.

### LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the Treasurer of the University a penalty of \$5.00.

### ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University Store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is cancelled, and the University is free to rent the room to other students, unless a deposit of \$25 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Registrar of the School of Religion.

### BOARDING HALLS

The University dining hall in the University Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. Board may be secured at the Union for an amount not to exceed \$25 per month. The Union

is the logical center of student activities, and all male students are advised to board in its supervised halls.

### STUDENT AID

Scholarships are available for students, the terms of which may be ascertained by correspondence with the Registrar of the School of Religion. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

### N. EDWARD EDGERTON SCHOLARSHIP FUND

In 1939 Mr. N. Edward Edgerton, of Raleigh, North Carolina, an alumnus of Duke University of 1921 and president of the Duke University Alumni Association, established the N. Edward Edgerton Scholarship Fund in the School of Religion. The purpose of the Edgerton Fund as specified by the donor is a "scholarship or scholarships to be awarded only to students who are candidates for the B.D. degree in the School of Religion."

### THE LIBRARY

The School of Religion has its own library, conveniently housed in the School of Religion Building. The Library, which contains materials dealing with the subject of religion, already numbers nearly thirty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The Library is being rapidly expanded. One of the outstanding possessions of the Library is a magnificent Greek manuscript of the thirteenth or fourteenth centuries containing the entire text of the New Testament.

Besides this special library, students of the School of Religion have the use of the General Library of the University, the Library of the School of Law, and the Library of the School of Medicine. All these libraries are located near the School of Religion Building.

### MASTER OF ARTS AND DOCTOR OF PHILOSOPHY DEGREES IN RELIGION

The Bachelor of Divinity degree is the only degree conferred by the School of Religion. There is, however, a very close relationship between the School of Religion and the Graduate School of Arts and Sciences, which confers the degrees of Master of Arts and Doctor of Philosophy. Students desiring additional graduate study beyond the degree of Bachelor of Divinity should correspond with the Dean of the Graduate School of Arts and Sciences.



### **FACILITIES FOR ADVANCED STUDY IN THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH**

The School of Religion of Duke University is one of the supporting members of the American Schools of Oriental Research. This grants to students in the School of Religion the privilege of attending the American School in Jerusalem or the one in Bagdad without charge for tuition. They are also able to compete for the financial aids that are offered annually by the Schools. These consist of four fellowships, the stipends depending upon available funds.

### **RELIGIOUS LIFE**

The students of the School of Religion are expected to attend the regular University Chapel services which are held on Tuesday, Wednesday, and Friday of each week. Special chapel services for the School of Religion are held each Monday and Thursday.

In this, as in other features of the University life, the students of the School of Religion are urged to identify themselves with the life of the whole student group.

### **DATE OF REGISTRATION**

Classwork in the School of Religion for the academic session of 1940-41 will begin on Monday, September 23, 1940. The registration of students in the School of Religion will be held on Saturday, September 21, 1940.

### **ADDITIONAL INFORMATION**

Requests for information not contained in this bulletin should be addressed to the Registrar of the School of Religion, Duke University, Durham, North Carolina.

# JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

LAKE JUNALUSKA, N. C.

JULY 15-AUGUST 24, 1940

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## INSTRUCTORS

PAUL NEFF GARBER

A.B., Bridgewater College; A.M., Ph.D., University of Pennsylvania

*Director and Professor of Church History*

DUKE UNIVERSITY

ELMER TALMAGE CLARK

A.B., Birmingham-Southern College; A.M., George Peabody College;

B.D., S.T.D., Temple University

*Professor of Missions*

ASSISTANT SECRETARY, BOARD OF MISSIONS, THE METHODIST CHURCH

ALBERT COOK OUTLER

A.B., Wofford College; B.D., Emory University; Ph.D., Yale University

*Professor of Historical Theology*

DUKE UNIVERSITY

ELBERT RUSSELL

A.B., A.M., Earlham College; Ph.D., University of Chicago

*Professor of Biblical Interpretation*

DUKE UNIVERSITY

JAMES VOORHEES THOMPSON

A.B., Wesleyan University; B.D., Drew Theological Seminary;

Ph.D., Northwestern University

*Professor of Religious Education*

DREW THEOLOGICAL SEMINARY

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## JOINT COMMITTEE ON JUNALUSKA SCHOOL OF RELIGION

REPRESENTING DUKE UNIVERSITY

William Preston Few

Paul Neff Garber

REPRESENTING BOARD OF CHRISTIAN EDUCATION

William Fletcher Quillian

John Quincy Schisler

REPRESENTING BOARD OF MISSIONS

William Gliden Cram

Elmer Talmage Clark

# THE JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

The Junaluska School of Religion is a joint enterprise under the direction of Duke University, the Board of Christian Education and the Board of Missions of the Methodist Church. It was established in 1928 to provide an opportunity during the summer months for religious workers and students to secure at the seat of one of the church-wide assemblies courses of study which could be credited on undergraduate and graduate degrees.

During the past twelve years students have been enrolled from the following groups: pastors, employed officers of Annual Conference Boards; officers of General Boards of the Church; professors of religious education and Bible in church-related colleges and universities; persons accredited as instructors in training schools; individuals desiring courses which would count on the Bachelor of Arts degree; graduate and theological students desiring courses to be credited on the Bachelor of Divinity degree.

The Junaluska School of Religion offers an unusual opportunity to pastors and directors of religious education who desire courses in line with the work they are doing, which will keep them abreast of the currents of thought in the religious world of today, and which will at the same time give them credit on college, university, and seminary degrees.

## RELATION TO SCHOOL OF RELIGION OF DUKE UNIVERSITY

Academic matters relating to the Junaluska School of Religion are in charge of the Faculty of the School of Religion of Duke University. The Junaluska School of Religion includes one summer term of the School of Religion of Duke University. Three members of the Faculty of the School of Religion serve on the Instructional Staff of the Junaluska School of Religion.

## CREDITS

All courses meet five times a week for eighty-minute periods. Each course satisfactorily completed will receive a credit of three semester hours. Two such courses may be taken by each student.

The credits secured for work done will be Duke University credits and will count on the Bachelor of Arts and Bachelor of Divinity degrees. These credits may, of course, be transferred to other colleges, universities, and theological schools in the same way that such transfer of credit is usually made. The credits will also be accepted on teachers' certificates.

## CALENDAR AND REGISTRATION

The thirteenth session of the Junaluska School of Religion will be held from July 15 to August 24, 1940. Recitations will be held five days

in the week, all Saturdays except July 27 and August 24 being holidays. Monday, August 12, will be observed as Duke Day at Lake Junaluska.

Monday, July 15, is reserved for registration of students. Advanced registration may also be made through correspondence with the director. Regular classes will meet at 8:15 Tuesday morning, July 16. Registration will be held in the Educational Building, as will also all the class sessions.

The Educational Building is located on the western side of Lake Junaluska. The location near the lake provides students with an opportunity to do serious study in the midst of beautiful and inspiring surroundings.

#### **ADMISSION**

All candidates for credit toward graduate and theological degrees must be graduates of colleges of recognized standing. College undergraduates who have completed the Junior year and who are ranked as incoming Seniors may also register for the courses and their credits will count toward the degree of Bachelor of Arts. A limited number of Juniors can enroll for credit in the courses, but not more than three Juniors are permitted in any one course.

#### **FEES AND EXPENSES**

A general matriculation fee of \$10.00 is due at time of registration and a special fee of \$5.00 in each course for which the student registers. There is also a \$2.00 ground fee which is paid to the Lake Junaluska Assembly, Inc. The only other expenses will be those in connection with room and board. There is a fee of \$5.00 for auditors who desire only to audit the courses but without credit for the courses.

#### **HOTELS AND BOARDING HOUSES**

There are a large number of hotels and lodging places at Lake Junaluska. The proprietors offer special rates to Junaluska School of Religion students. The rates vary with the accommodations desired.

The Board of Christian Education conducts a cafeteria and has dormitories in connection with the Educational Building for the convenience of students in the Junaluska School of Religion and in the Leadership Schools. Students desiring entertainment in these buildings should make reservation by writing to Mr. W. E. Hogan, Treasurer, Board of Christian Education, 810 Broadway, Nashville, Tennessee.

The Board of Missions operates the Mission Inn at Lake Junaluska. It is operated on the American Plan and can accommodate approximately two hundred persons. The Mission Inn offers all the accommodations found in modern resort hotels. It is equipped with elevator service. Because of the limited space in the Mission Inn all students planning to be guests should make early reservations. Until June 1 correspondence concerning rates and reservations should be addressed to Mr. J. F. Rawls, Doctors Building, Nashville, Tennessee, and after that date to the Mission Inn, Lake Junaluska, North Carolina.

In addition to the dormitories of the Board of Christian Education and the Mission Inn there are other hotels and lodging places at Lake Junaluska. There are also available for rent during the summer season many desirable private cottages within a few minutes walk of the Educational Building. These cottages are furnished with water and lights and are equipped for light housekeeping. A trailer camp is also available.

For detailed information as to rates and other particulars concerning the hotels, boarding houses, furnished cottages, and trailer camp, write Dr. W. A. Lambeth, President, Lake Junaluska Assembly, Inc., Lake Junaluska. The Director of the Junaluska School of Religion will also be glad to assist all students in the selection of living accommodations while at Lake Junaluska.



## COURSES OF INSTRUCTION

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(*Note.* In the description of courses the following abbreviations occur: *Period A* means that the course comes the first eighty minutes daily, beginning at 8:15; *Period B* means that the course comes at the eighty-minute period beginning at 9:45; *Period C* means that the course meets an eighty-minute period daily, beginning at 11:15. All courses carry three semester hours' credit.)

**S201. Old Testament Theology.**—The religious and ethical teachings of the books of the Old Testament in their historical development. *Period B.*

PROFESSOR RUSSELL

**S211. The Life and Teachings of Jesus.**—Using the Synoptic Gospels as a basis, the teachings of Jesus on religious, ethical, and social subjects will be studied in an effort to understand his thought and his message to our day. *Period C.*

PROFESSOR RUSSELL

**S224. Christian Thought since the Reformation.**—The history of Christian thought from the beginning of the Reformation to 1900. *Period B.*

PROFESSOR OUTLER

**S228. Current Theology.**—A survey of the field of contemporary theology with special attention given to the most significant and influential movements of reconstruction and reaction in liberal Christianity. *Period C.*

PROFESSOR OUTLER

**S235. Modern Religious Leaders.**—A study of outstanding individuals who have influenced the thought and program of the modern church. The life, work and contributions of about twenty representative Christian leaders. *Period A.*

PROFESSOR GARBER

**S238. Methodism.**—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America and of the development of the several branches of the Methodist Church in America. *Period C.*

PROFESSOR GARBER

**S267. Making the Local Church Effective Today.**—An effort will be made to discuss the various factors related to making the local church vital in the affairs of the community. A critical appraisal of the main functions of the modern local church. *Period A.*

PROFESSOR THOMPSON

**S281. Missions in the Modern World.**—A survey of present religious conditions and the status of missionary work in the important mission fields; the great missionary agencies, their foundation and growth; social progress in home and foreign fields. *Period B.*

PROFESSOR CLARK

**S286. Missionary Promotion.**—The promotion of the missionary enterprise at the home base and abroad. *Period A.*

PROFESSOR CLARK

*Address applications or requests for information to*

PAUL N. GARBER

*Director of Junaluska School of Religion*

DUKE UNIVERSITY

Durham, North Carolina

## CANDIDATES FOR THE DEGREE OF BACHELOR OF DIVINITY

### JUNIOR CLASS

<p>Andrews, Joseph Russell A.B., Wofford College, 1939.</p>	<p>Lake Toxaway, N. C.</p>
<p>Bromley, Ernest Raymond B.S., Boston University, 1939.</p>	<p>Brookline, Mass.</p>
<p>Caldwell, Joseph Edmund A.B., Lenoir-Rhyne College, 1939.</p>	<p>Hickory, N. C.</p>
<p>Carruth, Paul B.S., Millsaps College, 1939.</p>	<p>McComb, Miss.</p>
<p>Cooke, Ross Alton A.B., Birmingham-Southern College, 1938.</p>	<p>Maben, Ala.</p>
<p>Culp, William B. A. A.B., American University, 1939.</p>	<p>Gold Hill, N. C.</p>
<p>Dollar, Melvin A.B., Elon College, 1939.</p>	<p>Malone, Ala.</p>
<p>Francis, William Clive A.B., Wake Forest College, 1936.</p>	<p>Creedmoor, N. C.</p>
<p>Lindsey, Jordan Allen, Jr. A.B., Millsaps College, 1933.</p>	<p>Pelahatchie, Miss.</p>
<p>Mackay, Donald Mason A.B., Emory University, 1938.</p>	<p>Atlanta, Ga.</p>
<p>Mooney, Robert Cleveland, Jr. A.B., Birmingham-Southern College, 1939.</p>	<p>Wilsonville, Ala.</p>
<p>Moore, Jack Warren A.B., Olivet College, 1934.</p>	<p>Bennettsville, S. C.</p>
<p>Moorman, Julian Pierce, Jr. A.B., Emory and Henry College, 1939.</p>	<p>Bristol, Va.</p>
<p>Patten, Brooks A.B., University of North Carolina, 1939.</p>	<p>Louisburg, N. C.</p>
<p>Powell, John James A.B., Lenoir-Rhyne College, 1939.</p>	<p>Hickory, N. C.</p>
<p>Rogers, James Edwin A.B., Atlantic Christian College, 1939.</p>	<p>Rose Hill, N. C.</p>
<p>Scott, LeRoy Alexander A.B., Duke, 1939.</p>	<p>Kannapolis, N. C.</p>
<p>Shannon, Charles Eugene A.B., Duke, 1939.</p>	<p>Monroe, N. C.</p>
<p>Sherk, Warren Arthur A.B., Allegheny College, 1938.</p>	<p>Hornell, N. Y.</p>
<p>Stone, Joseph Lesley A.B., William and Mary College, 1939.</p>	<p>Williamsburg, Va.</p>
<p>Strickland, Thomas Edward A.B., High Point College, 1939.</p>	<p>High Point, N. C.</p>
<p>Tyte, Wilbur Henry A.B., University of Texas, 1933; A.M., University of Texas, 1939.</p>	<p>San Antonio, Tex.</p>
<p>Vaughan, Robert Akers A.B., Centenary College, 1937.</p>	<p>San Antonio, Tex.</p>
<p>Wheeler, Kermit A.B., Atlantic Christian College, 1939.</p>	<p>Kinston, N. C.</p>
<p>Wilkinson, Howard Charles A.B., Southwestern University, 1939.</p>	<p>Katy, Tex.</p>
<p>Williams, Denny DuBose A.B., Duke, 1939.</p>	<p>Alexandria, Va.</p>

## MIDDLE CLASS

Arthur, Charles Ralph B.S., University of Richmond, 1938.	Richmond, Va.
Autry, John Duncan Asbury A.B., Duke, 1929; A.M., Duke, 1937.	Godwin, N. C.
Baker, Homer Ortho A.B., Wake Forest College, 1936.	Wake Forest, N. C.
Blackburn, Linwood Earl A.B., Duke, 1938.	Fayetteville, N. C.
Boddie, Wyatt David A.B., Centenary College, 1937.	Gibbsland, La.
Boone, Sidney Grant A.B., Duke, 1934.	Gates, N. C.
Booth, Luther Lambuth A.B., Tulane, 1938.	New Orleans, La.
Brabham, Angus McKay, Jr. A.B., University of South Carolina, 1937.	Bamberg, S. C.
Branch, Douglas McKinley A.B., Wake Forest College, 1937.	Cary, N. C.
Bridewell, Joseph Albert A.B., Millsaps College, 1938.	Columbia, Miss.
Brock, Edwin Lawrence A.B., Tulane, 1938.	New Orleans, La.
Conley, George Frederick A.B., Wofford College, 1938.	Marion, N. C.
Cooke, Jack A.B., Centenary College, 1938.	Minden, La.
Crumpton, Sidney Randolph A.B., Wofford College, 1932.	Sumter, S. C.
Davis, Willie Dixon A.B., University of South Carolina, 1939.	Mullins, S. C.
Dawson, Dana A.B., Centenary College, 1938.	Shreveport, La.
Duncan, Floyd Alexander A.B., Wofford College, 1938.	Lincolnton, N. C.
Everett, Thomas D., Jr. A.B., Kentucky Wesleyan College, 1938.	Fairview, Ky.
Freeman, William Lawrence A.B., Asbury College, 1937.	Greensboro, N. C.
Galloway, Benedict Atkins A.B., Louisiana State University, 1938.	Raleigh, N. C.
Glenn, Henry Clarence, III A.B., Duke, 1938.	Eufaula, Ala.
Gray, Alan DeLeon A.B., Birmingham-Southern College, 1938.	Brighton, Ala.
Harrell, Haywood Linwood A.B., Duke, 1938.	Rich Square, N. C.
Heffner, William Frank A.B., Wofford College, 1938.	Maiden, N. C.
Hendrix, Thomas Christian A.B., DePauw University, 1938.	Humboldt, Ill.
Inge, John Wesley A.B., Lynchburg College, 1938.	Forest, Va.
Madren, Silas Ernest A.B., Elon College, 1929.	Henderson, N. C.
Meacham, Benjamin Franklin A.B., Duke, 1936.	Mt. Gilead, N. C.

Miller, Irving Roscoe A.B., Catawba College, 1938.	Salisbury, N. C.
Nesbitt, Marion Wilson A.B., Lenoir-Rhyne College, 1938.	Gastonia, N. C.
Parker, Carl Lafayette A.B., Wofford College, 1938.	Ridgeland, S. C.
Pegg, Jabez Paul A.B., University of North Carolina, 1926.	Henderson, N. C.
Prentis, Edward Walker A.B., Evansville College, 1938.	Owensboro, Ky.
Rogers, Harry Lee A.B., Asbury College, 1938.	Stem, N. C.
Rustin, Lee D. A.B., Arizona State Teachers College, 1938.	Pacific Palisades, Calif.
Stamey, Robert Henry A.B., Duke, 1939.	Lawndale, N. C.
Stevens, Wyatt Millard A.B., Elon College, 1936.	Roanoke, Ala.
Teer, Harold Benton A.B., Centenary College, 1938.	Hall Summit, La.
Thompson, Walter Rowe A.B., Duke, 1938.	Winston-Salem, N. C.
Waggoner, Brooks Milton A.B., University of Arkansas, 1938.	Stilwell, Okla.

## SENIOR CLASS

Andes, William Jacob A.B., Elon College, 1935.	Harrisonburg, Va.
Andrews, William Ed A.B., Wofford College, 1937.	Lake Toxaway, N. C.
Arbaugh, Robert Newton A.B., Hendrix College, 1937.	Paragould, Ark.
Bagby, Steadman A.B., Lambuth College, 1932.	Calvert City, Ky.
Barrs, William Kenneth A.B., Duke, 1937.	South Miami, Fla.
Biggers, Sherrill Bost B.Ph., Emory, 1937.	Concord, N. C.
Brady, William Herman A.B., Duke, 1937.	Highfalls, N. C.
Brown, Raymond Odell A.B., High Point College, 1937.	High Point, N. C.
Bustle, Wade Robert A.B., Davidson College, 1937.	Statesville, N. C.
Coley, Herman Theophilus A.B., Wofford College, 1936.	Hillsboro, N. C.
Crutchfield, Finis Alonzo A.B., Southern Methodist, 1937.	Vernon, Tex.
Dodge, William Wesley A.B., American University, 1937.	McLean, Va.
Evans, Joseph Claude A.B., Wofford College, 1937.	Anderson, S. C.
Ferguson, Edward Benjamin A.B., University of North Carolina, 1937.	Greenville, N. C.
Foley, Lemley Peter A.B., Berea College, 1937.	Stuart, Va.
Freeman, Ralph Lexie B.S., Tennessee Polytechnic Institute, 1937.	Cumberland Furnace, Tenn.

Fulton, John William A.B., Moravian College, 1937.	Winston-Salem, N. C.
Garrison, Robert Edmund A.B., Randolph-Macon College, 1937.	Dillwyn, Va.
Hickman, Victor Ralph A.B., Wofford College, 1935.	Springfield, S. C.
Higgins, James Silvester A.B., High Point College, 1937.	Highlands, N. C.
Hubbard, Charles Spence A.B., University of North Carolina, 1936.	Sanford, N. C.
Keeler, Waldo Forrest A.B., Marion College, 1932.	West End, N. C.
Kelley, Marvin Hess A.B., Hendrix College, 1937.	Holly Grove, Ark.
Kiker, Seaborn Martin A.B., Southern Methodist, 1937.	Dallas, Tex.
McLeod, Walter Grey A.B., Birmingham-Southern College, 1937.	Jackson, Ala.
Milstead, Harold Ashton A.B., St. John's College, 1937.	Chicamuxen, Md.
Nicholson, Ralph Herman A.B., Lenoir-Rhyne College, 1937.	Statesville, N. C.
O'Neal, Ernest Elijah B.S., University of Mississippi, 1935.	Charlottesville, Va.
Overton, Ernest Golden A.B., Duke, 1925.	Roxboro, N. C.
Pittard, Jesse Leo A.B., High Point College, 1936.	Roanoke Rapids, N. C.
Queen, Virgil Erwin A.B., Catawba College, 1937.	Morganton, N. C.
Reichard, James Charles A.B., Davidson College, 1936.	Bynum, N. C.
Richardson, Henry Powell A.B., Emory and Henry College, 1937.	Narrows, Va.
Shackford, Joseph Temple A.B., Duke, 1934.	Rock Hill, S. C.
Simpson, Harold Ross A.B., Catawba College, 1937.	Altoona, Pa.
Smith, Aubert Marlyn A.B., High Point College, 1935.	Siler City, N. C.
Taylor, Key Wesley B.R.E., Gordon College, 1936.	Compton, Calif.
Weinland, David Eugene A.B., Moravian College, 1935.	Bethlehem, Pa.

## SPECIAL STUDENTS

Cole, Clarence Alfred A.B., Duke, 1933; B.D., University of the South, 1936.	Oxford, N. C.
Higgins, George Gambill A.B., Moravian College, 1931; B.D., Moravian College, 1934.	Clemmons, N. C.
Lever, Oscar William A.B., Wofford College, 1925; M.A., University of South Carolina, 1939.	Blythewood, S. C.
Showalter, Russell Holmes A.B., Hampden-Sydney College, 1928; B.D., Union Theological Seminary, 1931.	Durham, N. C.
Waggoner, John Phillip A.B., Duke, 1935; B.D., Duke, 1938.	Charlotte, N. C.



## STUDENTS IN JUNALUSKA SCHOOL OF RELIGION

Autry, John Duncan Asbury	Godwin, N. C.
Bromley, Ernest Raymond	Brookline, Mass.
Darst, Lewis Whitefield	Shawsville, Va.
Edwards, Mary Jane	Durham, N. C.
Furness, Thomas Adrian	Canton, N. C.
Goodson, William Alexander, Jr.	Winston-Salem, N. C.
Hickman, Victor Ralph	Springfield, S. C.
Houck, Winton Robert	Spencer, W. Va.
Kendrick, Jack Omer	Ripley, Miss.
Lawson, John Fuller	Erwin, Tenn.
Lineberger, Nancy Jane	Shelby, N. C.
MacDonald, Marian Julia	Johnsonburg, Pa.
McGalliard, James LaFayette	Spear, N. C.
Owen, Robert Erastus	Waynesville, N. C.
Palmer, Frances Seaman	Fairfax, Va.
Price, Edgar Conrad	Clyde, N. C.
Stillwell, Edgar Herman	Cullowhee, N. C.
Wood, Hoyt Hampton	West Jefferson, N. C.

CANDIDATES FOR THE DEGREES OF MASTER OF ARTS AND  
DOCTOR OF PHILOSOPHY IN THE FIELD OF RELIGION

Bennett, John Boyce A.B., Wofford College, 1933; B.D., Duke, 1936.	Brevard, N. C.
Clegg, Mildred Isabel A.B., Millsaps College, 1938.	Brookhaven, Miss.
Colloms, Lester Hubert A.B., Emory and Henry College, 1926; B.D., Emory University, 1931.	Cleveland, Tenn.
Greene, John Thomas A.B., Duke, 1936; B.D., Duke, 1938.	Rougemont, N. C.
Hamilton, Thomas Henderson A.B., Davidson College, 1927; B.D., Union Theological Seminary, 1931; Th.M., Union Theological Seminary, 1932.	Roxboro, N. C.
Holder, Ray A.B., University of Mississippi, 1935; A.M., University of Mississippi, 1936.	Lucedale, Miss.
Jones, Jameson Miller A.B., Southwestern University, 1936; B.D., Louisville Presbyterian Theological Seminary, 1939.	Corinth, Miss.
Lever, Oscar William A.B., Wofford College, 1925; A.M., University of South Carolina, 1939.	Blythewood, S. C.
Macrae, John Howard A.B., King College, 1927; B.D., Union Theological Seminary, 1934.	Hopkinsville, Ky.
Neel, Samuel Regester, Jr. A.B., Emory and Henry College, 1935.	Cumberland, Md.
Neelands, Charles Wesley A.B., Queen's University, 1937; B.D., Queen's Theological College, 1938.	Chatsworth, Ontario
Whitehead, Talton Johnson A.B., High Point College, 1930.	Henderson, N. C.
Yelanjian, Louis Justine A.B., Birmingham-Southern College, 1937; B.D., Union Theological Seminary, 1926.	Birmingham, Ala.





VOLUME 12

June, 1940

NUMBER 3

# BULLETIN OF DUKE UNIVERSITY

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*Catalogue Number*



1939-1940  
ANNOUNCEMENTS FOR 1940-1941

PUBLISHED BY THE UNIVERSITY  
DURHAM, NORTH CAROLINA

## ANNUAL BULLETINS

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FOR GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

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OF  
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DURHAM, NORTH CAROLINA

1940



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## UNIVERSITY CALENDAR

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1940

- June 11 Tuesday, 9:00 A.M.—Registration of students for Summer School, first term.
- June 12 Wednesday, 2:00 P.M.—Instruction begins for Summer School, first term.
- July 4 Thursday, Independence Day: a holiday.
- July 22-23 Monday, Tuesday—Final examinations for Summer School, first term.
- July 24 Wednesday, 9:00 A.M.—Registration of students for Summer School, second term.
- July 24 Wednesday, 2:00 P.M.—Instruction begins for Summer School, second term.
- Sept. 2-3 Monday, Tuesday—Final examinations for Summer School, second term.
- Sept. 12 Thursday, 9:00 A.M.—Dormitories open to Freshmen.
- Sept. 12 Thursday, 8:00 P.M.—Assembly for all entering Freshmen; Freshmen Orientation Program begins.
- Sept. 17 Tuesday—Freshman instruction begins.
- Sept. 17 Tuesday—Registration and matriculation of new students with advanced standing.
- Sept. 18 Wednesday, 11:00 A.M.—Formal opening of the College; registration of matriculated students.
- Sept. 19 Thursday—Instruction for Sophomores, Juniors, and Seniors begins.
- Sept. 19-21 Thursday, 9:00 A.M.-1:00 P.M.; 2:30 P.M.-4:00 P.M.; Friday, 9:00 A.M.-1:00 P.M.; 2:30 P.M.-5:00 P.M.; Saturday, 9:00 A.M.-1:00 P.M.—Registration of graduate students.
- Nov. 28 Thursday—Thanksgiving Day: a holiday.
- Dec. 11 Wednesday—Duke University Day.
- Dec. 20 Friday, 1:00 P.M.—Christmas recess begins.

1941

- Jan. 3 Friday, 8:00 A.M.—Instruction is resumed.
- Jan. 17 Friday—Mid-year examinations begin.
- Jan. 31 Friday—Last day for matriculation for second semester.
- Feb. 1 Saturday—Second semester begins.
- March 22 Saturday, 1:00 P.M.—Spring vacation begins.

- March 31 Monday, 8:00 A.M.—Instruction is resumed.
- April 19 Saturday—Last day for submitting orations for Wiley Gray Contest.
- April 30 Wednesday—Last day for selection of courses for ensuing year.
- May 10 Saturday—Earliest date for beginning of Honors examination.
- May 16 Friday—Final examinations begin.
- May 31 Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 1 Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 2 Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.



# 1940

JANUARY	APRIL	JULY	OCTOBER
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## HISTORY

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Duke University owes its existence to a charitable trust set up by James B. Duke by an Indenture dated December 11, 1924, and known as the Duke Endowment; to gifts made by him to the University in the succeeding year; and to bequests that came through his will at his death, October 10, 1925. It is built around Trinity College, which was brought to Durham and maintained there largely through the generosity of the Duke family.

Trinity College in its origins goes back to 1838. In that year the citizens of a rural community in the northwest section of Randolph County, North Carolina, established a school with Rev. Brantley York as principal. In 1839 this school was enlarged and named Union Institute. In 1841 it was incorporated by the following enactment of the Legislature of North Carolina:

*An Act to Incorporate Union Institute Academy:\**

Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That Nathan Hunt, Joseph Mendenhall, Joseph Johnson, Lewis Leach, Jabez Leach, Martin W. Leach, and Ahi Robbins, and their successors, are hereby constituted a body corporate and politic to be known and distinguished by the name and style of the Trustees of the Union Institute Academy, and by that name shall have succession, and shall be able and capable in law to have, receive and possess, lands and tenements, goods and chattels, acquired by gift or otherwise, and use and apply the same according to the will of the donor, or dispose of the same when not forbidden by the terms of the gift. They may sue and be sued, plead and be impleaded in any Court of Justice, and shall have power to fill vacancies in their body, which may occur by death, resignation, or otherwise, establish such laws and regulations for the government of said Institution as they may deem necessary, not inconsistent with the laws of this State, and do and perform all such acts and things as are incident to, and usually exercised for, bodies politic, for the accomplishments of the object contemplated.

Ratified the 12th day of January, 1841.

In the year 1842 Braxton Craven became principal of the school. The growth and development of the school caused the Trustees to plan to put it in direct relation to the educational needs of the public schools of the State. Application was made to the Legislature of North Carolina for a new charter, and on January 28, 1851, Union Institute Academy was incorporated as Normal College by the following enactment:

*An Act to Incorporate Union Institute, in Randolph County, a Normal College:\*\**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That the present Trustees of Union Institute, to-wit: M. W. Leach, Ahi Robbins, Joseph Johnson, James Leach, and C. M. Hines; together with Rev. B. Craven, of said Institute; Hon. A. H. Sheppard, of Salem; John A. Gilmer, Esq., of Greensboro; Col. Samuel Hargrave, of Lexington; J. L. Blackmer, Esq., of Salisbury; Rev. S. A. Andrews, of Greensboro; Dr. S. G. Coffin, of Jamestown; H. B. Elliott, Esq., of Randolph; J. W. Thomas, Esq., of Davidson; John B. Troy, of Randolph; J. P. H. Russ, of Randolph; Eli Russell, of Montgomery, and Gen. J. M. Leach, of Lexington; and their successors be, and they are hereby declared, a body politic and corporate, to be known and distinguished by the name and style of the Normal College, and by that name shall have a perpetual succession, and a common seal, and be able and capable in law, of holding lands, tenements and chattels, sufficient for the uses and purposes of said College, and of suing and being sued, and of pleading and being impleaded.

SEC. 2. Be it further enacted, That said Trustees shall have the power to fix the time of holding the annual and other meetings, and to prescribe the manner in which vacancies in their body may be filled, five Trustees being a quorum to do business.

\* Laws of North Carolina, 1840-1843.

\*\* Laws of 1850-1851, chapter 20, page 56.

SEC. 3. Be it further enacted, That the said College shall be under the supervision, management and government of a President and such other persons as said Trustees may appoint; the said President, with the advice of the other persons so appointed, shall from time to time make all needful rules and regulations for the internal government of said College, and fix the number and compensations of teachers to be employed therein, to prescribe the preliminary examinations and the terms and conditions on which pupils shall be received and instructed, and the number of pupils to be received from the respective counties.

SEC. 4. Be it further enacted, That said Trustees shall have power to make such rules, regulations and by-laws, not inconsistent with the Constitution of the United States and of this State as may be necessary for the good government of said College, and the management of the property and funds of the same.

SEC. 5. Be it further enacted, That when any pupil shall have sustained a satisfactory examination on the studies, or course of studies, prescribed by the Faculty and Trustees of said College, such person shall be deemed qualified to teach common schools and may receive a certificate, signed by the President and at least seven Trustees, which certificate shall be sufficient evidence of ability to teach in any of the common schools in this State, without any reexamination of the county committees; and where county certificates are now required before paying out the public funds, the certificate of the Normal College shall answer in lieu thereof.

SEC. 6. Be it further enacted, That the whole College course shall be divided into four classes or degrees, styled first, second, third and fourth, and students shall be ranked accordingly.

SEC. 7. Be it further enacted, That all pupils entering said College shall first sign a declaration, in a book to be kept by the President for that purpose as follows: "We, the subscribers, hereby declare that it is our intention to devote ourselves to the business of teaching common schools in the State of North Carolina, and that our sole object in resorting to this Normal College is the better to prepare ourselves for that important duty," which declaration it shall be the duty of the President to explain to the pupils before they sign the same.

Ratified 28th January, 1851.

On November 21, 1852, the Legislature ratified amendments to the charter of 1851 including changes and additions as follows:

*An Act to Amend an Act, Entitled "An Act to Incorporate Union Institute, in Randolph County, Normal College":\**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That J. C. Dobbin, John A. Gilmer, W. H. Washington, A. H. Sheppard, H. B. Elliott, J. M. Leach, Joseph Johnson, S. G. Coffin, A. S. Andrews, Joseph B. Cherry, N. W. Woodfin, B. Craven, James Leach, Calvin Graves, Ahi Robbins, John B. Troy, Robert Strange, John W. Thomas, Samuel Hargrave, J. P. H. Russ, M. W. Leach, W. L. Steele, R. M. Saunders, W. B. Lane, G. W. Caldwell, C. H. Wiley, Jabez Leach, John A. Lillington, J. T. Morehead, Thales McDonald, R. C. Puryear, S. P. Hill, Alexander Gray, James M. Garrett, and Edward Ogburn and their successors be, and they are hereby declared, a body politic and corporate to be known and distinguished by the name and style of "The Trustees of Normal College," and by that name and style shall have a perpetual succession and a common seal, and be able and capable in law of holding lands, tenements and chattels for the uses and purposes of said College; and of suing and being sued, and of pleading and being impleaded.

SEC. 2. Be it further enacted, That the Governor of the State shall be *ex-officio* President of the Board of Trustees, and that the common school superintendent, should such an officer exist, shall be *ex-officio* Secretary of the Board, and that all vacancies in the Board shall be filled by a majority of the Trustees of said College.

SEC. 3. Be it further enacted, That the Trustees shall have power of appointing an Executive Committee, to consist of seven members, which committee shall control the internal regulations of said College, and fix all salaries and emoluments, and of doing all other things necessary for an institution of learning not inconsistent with the laws of this State and of the United States.

SEC. 4. . . . They shall also have the power to grant such degrees and marks of honor as are given by Colleges and Universities generally.

SEC. 5. Be it further enacted, That the Secretary of the Board of Trustees shall, within ten days after the meeting of each [Legislature] make a full report of the condition and operations of said Normal College, and the general character of Normal instruction; also, the condition and progress of Normal schools generally, together with all other information deemed important in the education of teachers, giving also the names and residences of all who have been authorized to teach.

SEC. 6. Be it further enacted, That the President and Directors of the literary fund are hereby directed to loan to the Trustees of Normal College, the sum of ten thousand dollars out of any moneys not otherwise appropriated, at six per cent interest, to be paid semi-annually, upon said Trustees giving bond and good security for the same.

\* Laws of 1852-1853, chapter 88, page 161.

Under the amended charter authorizing the institution to confer degrees, two students were graduated on July 28, 1853, with the degree of Bachelor of Arts.

In the year 1853-1854 a larger building was erected by means of money lent by the State of North Carolina under the authority granted in the amended charter. In November, 1856, the Trustees of Normal College authorized President Craven to propose to the North Carolina Conference of the Methodist Episcopal Church, South, that the institution be placed under the ownership and control of that body. The Conference passed the following resolution:

1. That the Conference authorize and request the Board of Trustees of Normal College to raise by donations twenty thousand dollars.
2. That all lands and property belonging to the College be conveyed to the Board of Trustees in trust for the North Carolina Conference.
3. That the Conference fill all vacancies in the Board.
4. That the Conference appoint a visiting committee, which committee shall have equal power with the Board as to the internal regulations and operations of the College.

Within the following two years the Trustees arranged to meet all the conditions stipulated. The North Carolina Conference of the Methodist Episcopal Church, South, in consequence, became invested with the complete ownership and control of the College.

On February 16, 1859, the charter was amended and the name of the institution changed to Trinity College by the following enactment of the Legislature of North Carolina:

*An Act to Amend the Charter of Normal College:\**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That the corporation established by an act passed in 1852, and known by the style and title of the "Trustees of Normal College," be and the same is hereby changed to Trinity College; and said corporation shall henceforth, by the name and style of Trinity College, hold and use all the authority, privileges, possessions and liabilities it had under the former title and name.

SEC. 2. Be it further enacted, That the estate, real and personal, received and controlled by the Trustees of Trinity College, shall be for the uses and purposes of a literary institution for the North Carolina Conference of the Methodist Episcopal Church, South.

SEC. 3. Be it further enacted, That all vacancies in the Board of Trustees shall be filled by said North Carolina Conference: *Provided, however,* That no person shall be elected a Trustee till he has first been recommended by a majority of the Trustees present at a regular meeting; and the Trustees shall have power to remove any member of their body who may remove beyond the boundaries of the State, or who may refuse or neglect to discharge the duties of a Trustee.

SEC. 4. Be it further enacted, That the Faculty and Trustees shall have the power of conferring such degrees and marks of honor as are conferred by colleges and universities generally; and that five Trustees shall be a quorum to transact business.

SEC. 5. Be it further enacted, That no person shall keep, maintain, or have at Trinity College, or within two miles thereof, any tippling-house establishment, or place for the sale of wine, cordials, spirituous or malt liquors; nor shall any person in the State, without a written permission from the Faculty, sell, or offer to sell, give or deliver to any student of Trinity College, or to any other person, any wine, cordials, spirituous or malt liquors for the purpose of being used, or with a knowledge that the same will be used at said College, or within two miles thereof, by any student.

SEC. 6. Be it further enacted, That no person shall set up, keep or maintain at Trinity College, (or) within two miles thereof, any public billiard table, or other table of any kind at which games of chance or skill, by whatever name called, may be played; and that no person, without written permission from the Faculty, shall within the same limits exhibit any theatrical, sleight-of-hand, natural or artificial curiosities, or any concert, serenade, or performance in music, singing or dancing.

SEC. 7. Be it further enacted, That sections second, fourth and fifth of the charter passed in 1852, are hereby repealed, and that all acts and laws coming within the meaning and purview of this present act are hereby repealed.

During the Civil War the College shared the common fate of Southern colleges. President Craven resigned in 1863, and Professor William T. Ganaway was elected his successor. In October, 1865, Dr. Craven was reelected to the presidency; however, the work of the College, which had been suspended in April of that year, was not resumed till January, 1866. Dr. Craven

\* Laws of 1858-1859, chapter 85, page 81.



remained president of the College till his death, November 7, 1882. Professor William Howell Pegram was then elected chairman of the Faculty. He served till the close of the academic year, June, 1883.

Reverend Marquis L. Wood was elected president in 1883; he resigned in December, 1884, when Professor John F. Heitman was elected chairman of the Faculty. John Franklin Crowell was chosen president of the College in April, 1887.

President Crowell conceived the idea of enlarging the scope of college work and of removing Trinity College to a city. The Board of Trustees on May 7, 1889, passed the following resolutions:

*Resolved* (1). That after mature and prayerful consideration, we believe it best for the interest of Methodism in North Carolina, and the cause of God, to move Trinity College to some prominent center within this State: *Provided*, There shall be tendered to this Board a proper guarantee of a suitable site, with buildings on it, of at least equal value, and as well suited for the uses of the College as those on the present site.

*Resolved* (2). That a committee of five be appointed to carry out the true intent of the above resolution, and report to the next annual meeting of the Board of Trustees.

At a meeting of the Trustees held in Greensboro, N. C., November 30, 1889, the following resolutions were adopted:

*Resolved* (1). That the Board of Trustees of Trinity College accept the offer of the citizens of Raleigh to erect a college building on the site designated, said building to be according to the plans and specifications mentioned in their offer.

*Resolved* (2). That we recommend the N. C. Annual Conference of the M. E. Church, South, to authorize the removal of Trinity College in accordance with the above and former resolutions passed by this Board.

*Resolved* (3). That the grounds and buildings now owned and used at Trinity College be held by the same Board of Trustees to be used as an academical department to prepare students for the college classes.

In accordance with these resolutions, through President Crowell, the Conference was asked at its session in Greensboro, December, 1889, to grant permission to remove the College to the City of Raleigh. The Conference took the following action:

*Resolved*, That the Board of Trustees of Trinity College be and is hereby authorized and directed to move Trinity College to the City of Raleigh, when the citizens of said city shall have erected on the site designated and known as the Boylan lot, the building proposed and agreed to be built by them *Provided*, That before said college is moved, as aforesaid, there shall be made, executed and delivered to said Trustees a good and sufficient deed in fee simple with proper covenants of warranty and seizin, conveying the lot and site designated to said Trustees and their successors in office, for the use and benefit of the North Carolina Conference, Methodist Episcopal Church, South, as it now exists, and for the use and the benefit of such Conferences, as may be hereafter created by the Methodist Episcopal Church, South, out of any territory within the State of North Carolina.

Some time after this action of the Conference, Mr. Washington Duke and other citizens of Durham, N. C., made a proposition to the Trustees to locate the College in Durham, and this proposition was accepted. On January 21, 1891, the Legislature of North Carolina issued the following charter:

*An Act to Amend the Charter of Trinity College:*

The General Assembly of North Carolina do enact:

SECTION 1. That the Trustees of Trinity College are authorized and empowered to remove the operations and exercises of said College, and to locate the buildings deemed necessary by them for the purpose of the College, at or near the town of Durham, North Carolina. They may, if they so elect, establish and maintain in connection with said College institutions of primary and intermediate education at the present site of the College in Randolph County, and at such other points as they may now or hereafter determine, for the purpose of preparing students for admission to a collegiate course. The management of such auxiliary and subordinate high schools and academies shall be vested in the said Board of Trustees, who are authorized to make by-laws and regulations for them, as well as for the College proper.

SEC. 2. That the Trustees of Trinity College are authorized to receive and hold by gift, devise or purchase, property, real and personal, to be held for the use of said College and its dependent schools or for the use of either or both (as may be designated in the conveyance or will), (to a value not exceeding in the aggregate sum three millions of dollars).



SEC. 3. That the Trustees shall be thirty-six in number, of whom twelve shall be elected by the North Carolina Conference of M. E. Church, South, twelve by the W. N. C. Conference of said church, and twelve by graduates of said College. The term of office of Trustees shall be six years, and they shall be so arranged that four Trustees shall be elected by each Conference and four by the graduates every two years. The Trustees shall regulate by by-laws the manner of election of the Trustees to be chosen by the graduates. Should there exist a vacancy by death, resignation, or otherwise, of any Trustee, the same shall be filled for the unexpired term by the Board of Trustees. The terms of the Trustees now in office shall expire January first, one thousand eight hundred and ninety-two. At the first election held under this amendment to the Charter, the body of graduates and each of the Conferences shall respectively elect four Trustees for the term of two years; in like manner each of said constituencies shall elect four Trustees for the term of four years, and in like manner each shall elect four Trustees for the term of six years.

In September, 1892, the College opened its first session in the new plant located at Durham. In May, 1894, President Crowell resigned, and on August 1, 1894, Reverend John C. Kilgo was elected his successor. In May, 1897, the Trustees authorized the admission of women as students to all departments of the College.

On account of the fact that the fundamental laws under which the College was managed were contained in an original charter and in several amendments, it was deemed best by the Board of Trustees, in June, 1902, to appoint a committee to make an application to the Legislature for a new charter, which should unify and harmonize the provisions of the existing legislation. On February 28, 1903, the Legislature of North Carolina granted the new charter which is identical with the charter as found on pages 17-18, except that the corporate name of the institution is changed to Duke University and the corporation is given perpetual existence, an amendment enacted by the General Assembly of North Carolina, January 19, 1911, having already stricken out the limitations set in former charters to the amount of property the College might hold.

Having been elected a bishop of the Methodist Episcopal Church, South, President Kilgo resigned in June, 1910. William Preston Few was elected to succeed him and was formally inaugurated November 9, 1910.

On December 29, 1924, the Board of Trustees of Trinity College met to consider the Indenture of Trust executed by Mr. James B. Duke, December 11, 1924. The Board voted unanimously to accept the provisions of the Indenture in so far as it affected Duke University, and authorized the necessary steps to be taken whereby, on December 30, 1924, a charter for the University was granted. The charter follows closely that of Trinity College and is printed on pp. 15-16.

Duke University is approved by the recognized accrediting agencies in the field of University education and is a member of various associations devoted to the interests of such education. Among those in which it holds membership are the Association of American Universities, the Southern Association of Colleges and Secondary Schools, the American Association of Colleges, the Southern University Conference, the American Association of Law Schools, the Association of American Medical Colleges, the American Association of Theological Schools, and others.

## GOVERNMENT

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### 1. The INDENTURE OF TRUST BY WHICH THE UNIVERSITY WAS CREATED

Among the provisions of Mr. Duke's indenture of trust was an educational institution to be known as Duke University, as respects which the Indenture contains the following provisions, and these provisions apply also to gifts made by Mr. Duke the year before he died and to bequests that came to the University at his death or that have come since:

I. (In Article FOURTH) The Trustees hereunder are hereby authorized and directed to expend as soon as reasonably may be not exceeding Six Million Dollars of the corpus of this trust in establishing at a location to be selected by them within the State of North Carolina an institution of learning to be known as Duke University, for such purpose to acquire such lands and erect and equip thereon such buildings according to such plans as the Trustees may in their judgment deem necessary and adopt and approve for the purpose, to cause to be formed under the laws of such state as the Trustees may select for the purpose a corporation adequately empowered to own and operate such properties under the name of Duke University as an institution of learning according to the true intent hereof, and to convey to such corporation when formed the said lands, buildings and equipment upon such terms and conditions as that such corporation may use the same only for such purposes of such university and upon the same ceasing to be so used then the same shall forthwith revert and belong to the Trustees of this trust as and become a part of the corpus of this trust for all of the purposes thereof.

However, should the name of Trinity College, located at Durham, North Carolina, a body politic and incorporate, within three months from the date hereof (or such further time as the Trustees hereof may allow) be changed to Duke University, then, in lieu of the foregoing provisions of this division "FOURTH" of this Indenture, as a memorial to his father, Washington Duke, who spent his life in Durham and whose gifts, together with those of Benjamin N. Duke, the brother of the party of the first part, and of other members of the Duke family, have so largely contributed toward making possible Trinity College at that place, he directs that the Trustees shall expend of the corpus of this trust as soon as reasonably may be a sum not exceeding Six Million Dollars in expanding and extending said University, acquiring and improving such lands, and erecting, removing, remodeling and equipping such buildings, according to such plans, as the Trustees may adopt and approve for such purpose to the end that said Duke University may eventually include Trinity College as its undergraduate department for men, a School of Religious Training, a School for Training Teachers, a School of Chemistry, a Law School, a Co-ordinate College for Women, a School of Business Administration, a Graduate School of Arts and Sciences, a Medical School and an Engineering School, as and when funds are available.

II. (In Article FIFTH) Thirty-two per cent of said net amount not retained as aforesaid for addition to the corpus of this trust shall be paid to that Duke University for which expenditures of the corpus of the trust shall have been made by the Trustees under the "Fourth" division of this Indenture so long as its name shall be Duke University and it shall not be operated for private gain, to be utilized by its Board of Trustees in defraying

its administration and operating expenses, increasing and improving its facilities and equipment, the erection and enlargement of buildings and the acquisition of additional acreage for it, adding to its endowment or in such other manner for it as the Board of Trustees of said institution may from time to time deem to be of its best interests, provided that in case such institution shall incur any expense or liability beyond provision already in sight to meet same, or in the judgment of the Trustees under this Indenture be not operated in a manner calculated to achieve the results intended hereby the Trustees under this Indenture may withhold the whole or any part of such percentage from said institution so long as such character of expense or liabilities or operation shall continue, such amounts so withheld to be in whole or in part either accumulated and applied to the purposes of such University in any future year or years, or utilized for the other objects of this Indenture, or added to the corpus of this trust for the purpose of increasing the principal of the trust estate, as the Trustees may determine.

III. (In Article SEVENTH) I have selected Duke University as one of the principal objects of this trust because I recognize that education, when conducted along sane and practical, as opposed to dogmatic and theoretical lines, is next to religion, the greatest civilizing influence. I request that this institution secure for its officers, trustees, and faculty, men of such outstanding character, ability, and vision as will insure its attaining and maintaining a place of real leadership in the educational world, and that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination, and application evincing a wholesome and real ambition for life. And I advise that the courses at this institution be arranged, first, with special reference to the training of preachers, teachers, lawyers and physicians, because these are most in the public eye, and by precept and example can do most to uplift mankind, and second, to instruction in chemistry, economics and history, especially the lives of the great of earth, because I believe that such subjects will most help to develop our resources, increase our wisdom and promote human happiness.

IV. (In Article THIRD) As respects any year or years and any purpose or purposes for which this trust is created (except the payments hereinafter directed to be made to Duke University) the Trustees in their uncontrolled discretion may withhold the whole or any part of said incomes, revenues and profits which would otherwise be distributed under the "Fifth" division hereof, and either (1) accumulate the whole or any part of the amount so withheld for expenditures (which the Trustees are hereby authorized to make thereof) for the same purpose in any future year or years, or (2) add the whole or any part of the amounts so withheld to the corpus of the trust, or (3) pay, apply and distribute the whole or any part of said amounts to and for the benefit of any one or more of the other purposes of this trust, or (4) pay, apply and distribute the whole or any part of said amounts to or for the benefit of any such like charitable, religious or educational purpose within the State of North Carolina or the State of South Carolina, or any such like charitable hospital purpose which shall be selected therefor by the affirmative vote of three-fourths of the then Trustees at any meeting of the Trustees called for the purpose, complete authority and discretion in and for such selection and utilization being hereby given the Trustees in the premises.

## 2. THE CHARTER OF THE UNIVERSITY

SECTION 1. That A. P. Tyer, J. H. Southgate, B. N. Duke, G. A. Oglesby, V. Ballard, J. A. Long, J. F. Bruton, J. N. Cole, F. A. Bishop, J. G. Brown, C. W. Toms, J. W. Alspaugh, W. R. Odell, J. A. Gray, F. Stikeleather, Kope Elias, S. B. Turrentine, P. H. Hanes, T. F. Marr, G. W. Flowers, M. A. Smith, R. H. Parker, W. J. Montgomery, F. M. Simmons, O. W. Carr, R. A. Mayer, N. M. Journey, Dred Peacock, B. B. Nicholson, W. G. Bradshaw,

E. T. White, T. N. Ivey, J. B. Hurley, R. L. Durham, W. C. Wilson, and their associates and successors shall be, and continue as they have been, a body politic and corporate under the name and style of DUKE UNIVERSITY, and under such name and style shall have perpetual existence and are hereby invested with all the property and rights of property which now belong to the said corporation, and said corporation shall henceforth and perpetually, by the name and style of DUKE UNIVERSITY, hold and use all the authority, privileges, and possessions it had or exercised under any former title and name, and be subject to all recognized legal liabilities and obligations now outstanding against said corporation.

SEC. 2. That such corporation is authorized to receive and hold by gift, devise, purchase or otherwise, property, real and personal, to be held for the use of said University and its dependent schools or for the use of either or both (as may be designated in the conveyance or will).

SEC. 3. That the Trustees shall be thirty-six in number, of whom twelve shall be elected by the North Carolina Conference of the M. E. Church, South; twelve by the W. N. C. Conference of the said church; and twelve by the graduates of said University; *Provided, however*, That no person shall be elected a Trustee till he has first been recommended by a majority of the Trustees present at a regular meeting; and the Trustees shall have power to remove any member of their body who may remove beyond the boundary of the State or who may refuse or neglect to discharge the duties of a Trustee. The term of office of Trustees shall be six years, and they shall be so arranged that four Trustees shall be elected by each Conference and four by the graduates every two years. The Trustees shall regulate by by-laws the manner of election of the Trustees to be chosen by the graduates. Should there exist a vacancy by death, resignation, or otherwise of any Trustee, the same shall be filled for the unexpired term by the Board of Trustees. That the present Trustees shall continue and remain in office during the term for which they have been heretofore respectively elected.

SEC. 4. That the said corporation shall be under the supervision, management and government of a president and such other persons as said Trustees may appoint; the said president, with the advice of the other persons so appointed, shall from time to time make all needful rules and regulations for the internal government of said University and prescribe the preliminary examinations, and the terms and conditions on which pupils shall be received and instructed.

SEC. 5. That said Trustees shall have power to make such rules, regulations, and by-laws not inconsistent with the Constitution of the United States and of this State, as may be necessary for the good government of said University and the management of the property and funds of the same.

SEC. 6. That the Trustees shall have power to fix the time of holding their annual and other meetings, to elect a president and professors for said University, to appoint an executive committee to consist of seven members, which committee shall control the internal regulations of said University and fix all salaries and emoluments, and to do all other things necessary for an institution of learning not inconsistent with the laws of this State and of the United States.

SEC. 7. That the Faculty and Trustees shall have the power of conferring such degrees and marks of honor as are conferred by colleges and universities generally; and that five Trustees shall be a quorum to transact business.

SEC. 8. That all laws and parts of laws or of the charter heretofore granted which are in conflict with this act are hereby repealed.

SEC. 9. That this act shall be in force from and after its ratification and acceptance by the Board of Trustees.



### 3. THE BY-LAWS OF THE UNIVERSITY

1. **AIMS OF THE UNIVERSITY.** The aims of Duke University are to assert a faith in the eternal union of knowledge and religion set forth in the teachings and character of Jesus Christ, the son of God; to advance learning in all lines of truth; to defend scholarship against all false notions and ideals; to develop a Christian love of freedom and truth; to promote a sincere spirit of tolerance; to discourage all partisan and sectarian strife; and to render the largest permanent service to the individual, the state, the nation, and the church. Unto these ends shall the affairs of this University always be administered.

2. **THE UNIVERSITY TRUSTEES.** The Alumni Trustees, nominated by the Board as provided for in the charter, are elected by the Alumni Association. The officers of the Board are chairman, vice-chairman, and recording secretary. The chairman calls to order and presides at all meetings of the Board, calls extraordinary meetings when, in his judgment, such meetings may be necessary, and represents the Trustees at public meetings of the University. He is ex-officio member of the Executive Committee. In the absence of the chairman the vice-chairman calls to order and presides over meetings of the Board, but does not perform any of the other duties of the chairman unless ordered to do so by the Board of the Executive Committee. The recording secretary records the minutes of all the meetings, does the correspondence, and is the custodian of the records and other documents that may belong to the Board.

3. **THE EXECUTIVE COMMITTEE.** The Executive Committee consists of seven members, three of them from the University Trustees, including the chairman ex-officio, three from the Endowment Trustees, and the President of the University ex-officio. It performs the duties set out for it in the charter—namely, controls the internal regulations of the University and fixes all salaries and emoluments. The Committee is furthermore authorized to appoint officers and teachers of the University subject to the approval of the University Trustees. The Committee is elected by the University Trustees, three of them on nomination of the Endowment Trustees, and the Committee elects its own officers. It meets once a month and oftener when necessary. The Committee through its chairman makes annually a report to the University Trustees.

4. **OFFICERS OF THE UNIVERSITY.** The officers of the University are a president, three vice-presidents, a treasurer, a dean of the University, and such other deans as may be needed, a recording dean or registrar, and a secretary who is also secretary of the faculty. Whenever it may seem wise more than one of these offices may be held by one man.

*President.* The President of the University calls, and presides at, all the meetings of the Faculties, sees that the laws and regulations of the Executive Committee and the Trustees affecting the administration and work of the University are carried out, appoints all committees of the Faculties and has direction of the discipline and work of the University. He has the authority to veto any action of the Faculties, when, in his judgment, such action is not in harmony with the aims and laws of the University, or when he may deem such action as unwise. However, in every instance he shall submit to the Faculty in writing his reasons for setting aside their action, and the secretary of the Faculty shall record his reasons in the record book of the Faculty. The President makes an annual report to the Board of the work, conditions, and needs of the University, and of other matters that may be of concern to it or to the cause of higher education. He nominates all members of the Faculties, and represents them at all public meetings of the University. He is an ex-officio member of the Executive Committee; and acts as the medium of communication between the University Trustees and the Endowment Trustees.

*Vice-Presidents.* The three Vice-Presidents of the University have supervision of the work of the University in the divisions of (a) business, (b) education, and (c) student life. In the absence of the President, Vice-Presidents in the order of official seniority may perform such duties of the President as may demand immediate attention.

*Treasurer.* The Vice-President in the Business Division and Treasurer has the custody of all the property of the University; that is, he has the primary responsibility for all collections and disbursements, for all securities and financial records, and for the care of the entire physical plant. He is required to make monthly reports to the Executive Committee and annual reports to the Trustees concerning his accounts and the property in his charge. It shall be the duty of the Treasurer to nominate to the Executive Committee an assistant treasurer and other assistants in sufficient number to do well the duties of his office. All officers entrusted with property belonging to the University are required to keep records of the same and these records are at all times subject to the inspection of the Treasurer. The Treasurer and his assistants shall be required to give bond, joint or several, in an amount not less than \$50,000 for the faithful performance of their duties.

5. **FACULTIES.** The General Faculty of the University is composed of professors, associate professors, and assistant professors who have been elected to membership in the Faculty. Concerning questions that do not lie exclusively in the field of any one Faculty and questions of University educational policy this Faculty has the right to enact such regulations as it may deem necessary to carry on the instruction, advance the standard of work, and otherwise develop the scholarly aims of the University. The General Faculty recommends to the University Trustees such persons as it deems fit to receive academic degrees or other marks of academic distinction. This Faculty meets twice a year and at other times on the call of the President or Dean of the University, or on the written request of five members.

The professional schools have their own faculties, each with its dean and other appropriate officers elected by the Executive Committee with the approval of the University Trustees, and each is authorized to perform any educational functions that lie in its field.

The Faculty Council includes the Deans and Assistant Deans of Trinity College and the Woman's College, the Dean of the Graduate School, the Secretary of the General Faculty, the Chairman and Director of Undergraduate Studies in each department offering instruction in the undergraduate colleges of liberal arts and sciences, one additional member elected by each department that has five or more teachers giving instruction in arts and sciences, and such others as may be appointed to membership in the Council by the governing bodies of the University. The Council meets once a month and considers questions of curriculum in the field of arts and sciences and other educational details and policies that are outside the functions of any one faculty.

The Council on Undergraduate Teaching consists of the Deans and Assistant Deans of Trinity College, the Woman's College, the College of Engineering, some other officers and appointed members, and teachers of all ranks who are giving fifty per cent or more of their time to the instruction of undergraduates. Courses to which both Seniors and graduates are admitted are understood as intended primarily for graduate students. The business of this Council is to stimulate good teaching and to find ways and means to make college teaching as effective as possible. It has the right to take such actions as may be necessary to promote these ends.

The Council on the Instruction of Freshmen is composed of the Dean of Undergraduate Instruction, the Dean of Freshmen, and the Supervisor of Freshmen Instruction from each department offering courses for Freshmen. It considers policies and matters of detail as affecting Freshman instruction and also provision for the general welfare of Freshmen. The Freshman



Council makes recommendations to the Faculty Council for action in matters of general policy. The Freshman Council has the power to call upon members of the Faculty for reports or other information pertaining to the instruction of Freshmen at such dates as it may determine.

The Council on Education for Women consists of the Dean of Women and of one representative from each department offering courses which are largely taken by women students. It shall consider matters of interest and policy relating to the instruction and general welfare of the women students of the University, and make recommendations to the President, or the Faculty Council. The members of the Council on Education for Women are appointed by the President of the University.

The Council on Engineering Instruction consists of the Dean of the College of Engineering, the Secretary of the College, the Dean of the University, the Chairmen of the several departments in engineering, one representative to be appointed by the President of the University from each of the Departments of Mathematics, Physics, Chemistry, Economics, English. The Council deals with questions relating to instruction in engineering, the welfare of engineering students, and the cause of engineering in general. The Executive Committee consists of the Dean and the Secretary of the College of Engineering, and the Chairmen of the Departments of Civil, Electrical and Mechanical Engineering.

The Council on Graduate Instruction consists of members of the Faculty above and including the ranks of associate professor who give at least half of their time to graduate work under the direction of the Graduate School, and others who may be appointed by the Governing Bodies of the University. One member is appointed from each of the professional schools which give courses for graduate credit, and in some cases more than one. The Council has to do with whatever pertains to instruction and requirements for degrees in the Graduate School of Arts and Sciences.

The Executive Committee of the Council on Graduate Instruction consists of the Dean and six members appointed by the President upon the recommendation of the Dean. Blanks are distributed once a year to each member of the Council with the request that six names be entered on the blank as his suggestions for members of the Committee. It is understood that the Dean is to take these suggestions into account in his recommendations to the President. In so far as possible the Humanities, Biological and Physical Sciences, Social Sciences, and other fields are to be represented on the Executive Committee. No more than four of the six committee members are to be reappointed for any ensuing year.

6. **ACADEMIC YEAR.** The academic year begins on the morning of the Wednesday following September 15. The annual Commencement comes in the week including the first Sunday in June. The Christmas recess begins at 1:00 P.M. December 20 (or December 19 if December 20 falls on Sunday), and ends at 8:00 A.M., January 3 (or January 4 if January 3 falls on Sunday). The spring recess begins at 1:00 P.M. of the Saturday in March nearest to March 25, and ends at 8:00 A.M., of Monday nine days later. Thanksgiving Day is a holiday.

7. **TENURE OF OFFICE.** Teachers of all ranks are subject to removal by the Executive Committee, with the approval of the University Trustees, for misconduct or neglect of duty. Teachers may be elected for terms of one, two, three, or four years; or teachers with the rank of professor may be elected without time-limit. Administrative officers are usually elected without time-limit, but the Executive Committee, with the approval of the University Trustees, may remove any officer of the University whenever, in their opinion, he is not properly performing the duties of his office.

8. The by-laws may be amended at any regular meeting of the University Trustees by the affirmative vote of two thirds of the full membership of the Board, provided that the proposed amendment is submitted through the Secretary of the Board to the members at least twenty days before the meeting.

## SABBATICAL LEAVE

Sabbatical leave of absence for members of the General Faculty is granted under regulations adopted by the Executive Committee of the Trustees on March 28, 1923, revised in 1928, partly in abeyance in the year 1933-34 and the succeeding three years, and restored in the year 1937-38. The conditions on which sabbatical leave of absence is granted are set forth below.

1. Every member of the General Faculty (composed of professors, associate professors, and assistant professors) is eligible for sabbatical leave after six years in the service of the University. Such leave may be taken for a full year at half salary or a half year at full salary.

2. In order to obtain a sabbatical leave written request for such leave must be filed with the President of the University by December first of the academic year preceding the one in which the leave is to take effect.

3. If in exceptional cases it should develop that the granting of leave to an applicant during the year for which application is made would raise very serious difficulties detrimental to the best interests of the applicant's department or school, or the interests of the institution as a whole; or because of questions concerning the applicant's period of service prior to the leave, the President shall appoint a committee which shall have power to decide the question of granting the sabbatical leave for the particular year under consideration. This committee shall consist of five members as follows: two members of the general faculty appointed yearly by the President, the Treasurer of the University, the Dean of the school or college of which the applicant is a member, the chairman of the applicant's department, or should no such chairman exist another member of the applicant's department.

4. If this committee should decide against the granting of a sabbatical leave for the year for which the applicant applied, the applicant would be eligible for sabbatical leave the following year or any year thereafter upon making application in due form as above.

5. After September 1, 1928, if a member of the faculty on becoming eligible for sabbatical leave does not for some special reason apply for such leave, he may count the additional years of service prior to his leave toward the six years of service necessary before he can apply for a subsequent leave. If in an exceptional case an applicant for personal reasons applies for a sabbatical leave to be effective in advance of his regular year and such leave is granted, he shall not be eligible for a subsequent leave until he has served six years plus the number of years by which this leave is advanced.

6. On recommendation of the committee after leave of absence has been granted it may be postponed for urgent reasons and under conditions to be determined by the committee.

7. All those cases which have occurred in the past or which may occur in the future in which leave of absence is granted under conditions where the absentee receives full pay for a half year or half pay or more for a full year's leave of absence shall be considered as regular sabbatical leave under these regulations.

8. These revised regulations became effective as of September 1, 1928, and sabbatical leaves under such regulations began with the academic year 1929-30. The regulations were partly in abeyance in 1933-34, 1934-35, 1935-36, and 1936-37. The restoration of the regulations begins with the academic year 1937-38. The four years, 1933-34, 1934-35, 1935-36, and 1936-37, may not count toward the six years of service necessary before application can be made for leave of absence. In all cases in which special arrangements have been made for the granting of sabbatical leave (as described in condition No. 7) during the period of partial abeyance of the plan, the next six years of service shall be counted as beginning with the academic year 1937-38. All other members of the General Faculty who apply for sabbatical leave may count the years of service they had to their credit at the beginning of the academic year 1933-34.

# GOVERNING BODIES AND OFFICERS

## EXECUTIVE COMMITTEE OF THE UNIVERSITY

(Consisting of three members from the University Trustees, three from the Endowment Trustees, and the President of the University.)

	Year of Election		
J. F. BRUTON, Chairman.....	1918.....	Wilson,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
W. P. FEW.....	1910.....	Durham,	N. C.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. N. REYNOLDS.....	1933.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1929.....	Gastonia,	N. C.
W. R. PERKINS.....	1937.....	New York,	N. Y.
R. L. FLOWERS, Recording Secretary.....	1923.....	Durham,	N. C.

## UNIVERSITY TRUSTEES

### Term Expires December 31, 1941

J. F. BRUTON, Chairman.....	1900.....	Wilson,	N. C.
T. F. MARR, Vice-Chairman.....	1900.....	Brevard,	N. C.
D. S. ELIAS.....	1929.....	Asheville,	N. C.
P. H. HANES.....	1912.....	Winston-Salem,	N. C.
J. L. HORNE, JR.....	1934.....	Rocky Mount,	N. C.
J. A. LONG.....	1915.....	Roxboro,	N. C.
S. B. TURKENTINE.....	1893.....	Greensboro,	N. C.
EARLE W. WEBB.....	1933.....	New York,	N. Y.

### FROM THE ALUMNI

S. S. ALDERMAN.....	1934.....	Washington,	D. C.
W. N. REYNOLDS.....	1927.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1916.....	Gastonia,	N. C.
WILLIS SMITH.....	1929.....	Raleigh,	N. C.

### Term Expires December 31, 1943

R. L. FLOWERS, Recording Secretary.....	1927.....	Durham,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
J. H. BARNHARDT.....	1918.....	Raleigh,	N. C.
JAMES A. BELL.....	1920.....	Charlotte,	N. C.
R. G. CHERRY.....	1934.....	Gastonia,	N. C.
THOMAS M. GRANT.....	1933.....	Greenville,	N. C.
J. R. SMITH.....	1934.....	Mount Airy,	N. C.
J. P. FRIZZELLE.....	1937.....	Snow Hill,	N. C.

### FROM THE ALUMNI

	Year of Election		
W. W. FLOWERS.....	1925.....	New York,	N. Y.
J. B. HURLEY.....	1896.....	Goldsboro,	N. C.
C. F. LAMBETH.....	1915.....	Thomasville,	N. C.
C. K. PROCTOR.....	1935.....	Oxford,	N. C.

## Term Expires December 31, 1945

M. E. NEWSOM.....	1917.....	Durham,	N. C.
E. S. BOWLING.....	1939.....	New York,	N. Y.
J. A. THOMAS.....	1936.....	White Plains,	N. Y.
W. W. PEELE.....	1921.....	Richmond,	Va.
W. R. PERKINS.....	1924.....	New York,	N. Y.
D. C. ROPER.....	1929.....	Washington,	D. C.
F. M. WEAVER.....	1909.....	Asheville,	N. C.
B. S. WOMBLE.....	1915.....	Winston-Salem,	N. C.

## FROM THE ALUMNI

H. R. DWIRE, Ass't Rec. Secretary.....	1931.....	Durham,	N. C.
R. A. MAYER.....	1897.....	Charlotte,	N. C.
*F. M. SIMMONS.....	1892.....	New Bern,	N. C.
W. A. STANBURY.....	1933.....	Asheville,	N. C.

## ENDOWMENT TRUSTEES

MRS. J. B. DUKE.....	1924.....	New York,	N. Y.
G. G. ALLEN, Chairman.....	1924.....	New York,	N. Y.
W. R. PERKINS, Vice-Chairman.....	1924.....	New York,	N. Y.
E. C. MARSHALL, Assistant Secretary.....	1924.....	Charlotte,	N. C.
N. A. COCKE, Vice-Chairman.....	1924.....	Charlotte,	N. C.
C. I. BURKHOLDER.....	1924.....	Charlotte,	N. C.
B. E. GEER.....	1924.....	Greenville,	S. C.
A. H. SANDS, JR., Secretary.....	1924.....	New York,	N. Y.
W. C. PARKER, Treasurer.....	1924.....	New York,	N. Y.
W. B. BELL.....	1924.....	New York,	N. Y.
W. S. RANKIN.....	1925.....	Charlotte,	N. C.
R. L. FLOWERS.....	1926.....	Durham,	N. C.
W. N. REYNOLDS.....	1931.....	Winston-Salem,	N. C.
W. S. O'B. ROBINSON, JR.....	1932.....	Charlotte,	N. C.
MRS. DORIS DUKE CROMWELL.....	1933.....	New York,	N. Y.

## COMMITTEES OF THE UNIVERSITY TRUSTEES

*Buildings and Grounds:* J. R. SMITH, CHERRY, BARNHARDT.

*Business Administration of the University:* HANES, LONG, ELIAS, BOWLING.

*Colleges:* ALDERMAN, ROPER, HORNE.

*School of Forestry:* DWIRE, W. W. FLOWERS, NEWSOM.

*Graduate School:* WEBB, TURRENTINE, \*SIMMONS, R. L. FLOWERS.

*Law School:* WILLIS SMITH, WOMBLE, BELL, FRIZZELLE.

*Library:* STANBURY, HANES, LAMBETH, WEAVER.

*Medical School and Hospital:* THOMAS, MAYER, PROCTOR.

*Physical Education and Intercollegiate Athletics:* SEPARK, J. R. SMITH, PROCTOR.

*School of Religion:* PEELE, GRANT, HURLEY, MARR.

\* Deceased, April 30, 1940.

# OFFICERS OF ADMINISTRATION

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## GENERAL ADMINISTRATION

FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., Ed.D., L.H.D., LL.D. <i>President</i>	West Campus
FLOWERS, ROBERT LEE, A.M., LL.D. <i>Vice-President in the Business Division, Secretary and Treasurer</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-President in the Educational Division and Dean of the University</i>	West Campus
BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
BROWER, ALFRED SMITH, A.B. <i>Administrative Assistant</i>	518 Morehead Avenue

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## BUSINESS ADMINISTRATION

FLOWERS, ROBERT LEE, A.M., LL.D. <i>Secretary and Treasurer</i>	West Campus
MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Assistant Treasurer</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Assistant Secretary</i>	813 Vickers Avenue
BOY, CARL A. <i>Superintendent of Maintenance</i>	2224 Erwin Road
DOOLEY, NELL, R.N. <i>Dietitian, the Union</i>	Faculty Apartments, East Campus
GIFT, JOHN C. <i>Superintendent of Maintenance</i>	811 Fifth Street
HENRICKSEN, GERHARD CHESTER, A.B., A.M., C.P.A. <i>Auditor</i>	216 Forest Wood Drive, Forest Hills
HOOVER, MARY R., MRS. <i>Supervisor of Dormitories</i>	Powe Apartments, Buchanan Road
MARTIN, LILLY SLADE, MRS. <i>Supervisor of Dormitories</i>	2011 Woodrow Street
MOORE, JOHN MEREDITH, A.B. <i>Manager, the Duke University Stores</i>	2615 Chapel Hill Boulevard
ROBERSON, HELEN, MRS. <i>Dietitian, the Union</i>	East Campus
SAWYER, OTIS, A.B. <i>Purchasing Agent, Duke University</i>	2010 Club Boulevard
SPRAGUE, GERTRUDE, MRS. <i>Dietitian, Southgate Hall</i>	Southgate Hall
THOMPSON, JAMES EDWARD <i>Manager, the Duke University Dining Halls</i>	504 East Forest Hills Boulevard



- TYREE, WILLIAM ALLEN, A.B.  
*Director in the Business Division* 610 Buchanan Road
- WEGENER, MARY E., MRS.  
*Supervisor of Dormitories* Powe Apartments, Buchanan Road
- WHITFORD, WILLIAM EDWARD, A.B.  
*Director in the Business Division* 804 Third Street

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## PUBLIC RELATIONS AND ALUMNI AFFAIRS

- DWIRE, HENRY RUDOLPH, A.B., A.M.  
*Director of Public Relations and Alumni Affairs* 403 Chapel Hill Street
- DUKES, CHARLES AUBREY, A.B.  
*Assistant Director* 1403 Oakland Avenue
- GARRARD, ANNE, A.B., A.M.  
*Assistant Director, Alumni Affairs* 1023 Gloria Avenue
- JACKSON, DAVID KELLY, A.B., A.M.  
*Assistant Editor, Duke University Press* Hope Valley Road
- MANN, GLENN EDWARD, A.B.  
*Manager, Athletics Division, the News Service* 2114 Wilson Street
- RIVERA, RODOLFO OSVALDO, A.B., A.M., Ph.D.  
*Executive Secretary, Duke University Press* 205 W. Markham Avenue
- SIMPSON, JAMES ROBERT, A.B.  
*Director, Appointments Office* 807 Hermitage Court Drive
- WILKINSON, ALBERT ALEXANDER, A.B.  
*Director, the News Service* 1113 Alabama Avenue

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## EDUCATIONAL ADMINISTRATION

- WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.  
*Dean of the University and of Trinity College* West Campus
- BALDWIN, ALICE MARY, A.B., A.M., Ph.D.  
*Dean of the Woman's College* East Campus
- GREENE, WALTER KIRKLAND, A.B., A.M., Ph.D.  
*Dean of Undergraduate Instruction* Myrtle Drive, West Campus
- HERRING, HERBERT JAMES, A.B., A.M.  
*Dean of Men* Myrtle Drive, West Campus
- MANCHESTER, ALAN KREBS, A.B., A.M., Ph.D.  
*Dean of Freshmen* Myrtle Drive, West Campus
- SMITH, RUTH SLACK, MRS., A.B., A.M.  
*Associate Dean of Undergraduate Instruction, Woman's College*  
Faculty Apartments, East Campus
- WILSON, MARY GRACE, A.B.  
*Dean of Residence, Woman's College,*  
*Head of Brown House* Brown House
- PERSONS, ELIZABETH ANDERSON, MRS., A.B., A.M. 104 Erwin Apartments  
*Assistant Dean in Charge of Freshmen of the Woman's College*  
*Secretary of the Committee on Admissions of the Woman's College*
- HALL, WILLIAM HOLLAND, A.B., A.M., B.C.E., M.S.C.E.  
*Dean of the College of Engineering* 111 Watts Street
- HOOVER, CALVIN BRYCE, A.B., Ph.D., Litt.D. 1702 Duke University Road  
*Dean of the Graduate School of Arts and Sciences*



- DELAPLANE, WALTER HAROLD, A.B., A.M., Ph.D. Vineyard Street,  
*Assistant to the Dean of the Graduate School* Tuscaloosa Forest
- HORACK, HUGO CLAUDE, Ph.B., LL.B., LL.D. 2021 Myrtle Drive, West Campus  
*Dean of the School of Law*
- DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D. Hope Valley  
*Dean of the School of Medicine*
- PINKERTON, MARGARET ISABEL, (1939) R.N., B.S. Nurses Home  
*Dean of the School of Nursing*
- BAKER, BESSIE, R.N., B.S. Baltimore, Md.  
*Dean of the School of Nursing, Emeritus*
- RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D. 811 Vickers Avenue  
*Dean of the School of Religion*
- GARBER, PAUL NEFF, A.B., A.M., Ph.D. West Campus  
*Registrar of the School of Religion*
- KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. 1718 Duke University Road  
*Dean of the School of Forestry*
- HOLTON, HOLLAND, A.B., J.D. 809 Watts Street  
*Director of the Summer School*
- 
- COLEMAN, MARGARET, A.B., A.M. 918 Urban Avenue  
*Recorder, Trinity College*
- HUCKABEE, ELLEN HARRIS, A.B., A.M. Pegram House  
*Assistant Dean of Residence, Woman's College,  
 Head of Pegram House*
- KENDALL, HELEN MILDRED, A.B. 1013 Dacian Avenue  
*Registrar, School of Law*
- SEABOLT, LOUISE, A.B., A.M. 805 Watts Street  
*Recorder, Womans College*
- STOCKSDALE, HELEN I. Beverly Apartments  
*Recorder, School of Medicine*

## INSTRUCTIONAL STAFF

*This alphabetical list includes all members of the various faculties of the University. The date denotes the first year of service.*

- ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. Cornwallis Road  
*Associate Professor of Psychology*
- ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D. 1003 Lamond Avenue  
*Assistant Professor of Botany*
- ALDRIDGE, FRED SOULE, (1922) A.B., A.M. East Campus  
*Assistant Professor of Mathematics*
- ALLEN, DON CAMERON, (1938) A.B., Ph.D. 701 Club Boulevard  
*Assistant Professor of English*
- ALTVATER, F. VERNON, (1930) A.B., A.M. Route 2, Hillsboro, N. C.  
*Associate in Hospital Administration*
- ALYEA, EDWIN PASCAL, (1930) S.B., M.D. Hope Valley  
*Associate Professor of Surgery in Charge of Urology*
- ANDERSON, CHARLES ROBERTS, (1930) A.B., A.M., Ph.D. 1007 Lakewood Avenue  
*Assistant Professor of English*
- ANDERSON, LEWIS EDWARD, (1936) B.S., A.M., Ph.D. 2016 Myrtle Drive  
*Instructor in Botany*
- ANDERSON, WILLIAM BANKS, (1930) A.B., M.D. 10 Beverly Apartments  
*Associate Professor of Surgery in Charge of Ophthalmology*

- ARENA, JAY MORRIS, (1933) B.S., M.D.  
*Assistant Professor of Pediatrics* 1104 Virginia Avenue
- ATWOOD, THEODORE W., (1934) A.B., D.M.D.  
*Associate in Dentistry* Allenton Apartments
- AYCOCK, THOMAS MALCOLM, (1937) B.S., M.S.  
*Assistant Professor of Physical Education* 1404 Alabama Avenue
- BAITY, HERMAN GLENN, (1938) Sc.D.  
*Lecturer in Public Health* Chapel Hill, N. C.
- BAKER, BESSIE, (1930) R.N., B.S.  
*Dean of the School of Nursing and Professor of Nursing Education, Emeritus* Baltimore, Md.
- BAKER, LENOX DIAL, (1937) M.D.  
*Associate in Orthopaedics* 1435 Arcadia Street
- BAKER, ROGER DENIO, (1930) A.B., M.D.  
*Assistant Professor of Pathology* 1111 Watts Street
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.  
*Professor of History and Dean of the Woman's College* East Campus
- \*BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.  
*Professor of English* 112 Pinecrest Road
- BAYLIN, GEORGE JAY, (1939) A.B., M.D.  
*Instructor in Anatomy and Assistant in Roentgenology* Duke Hospital
- BEAL, JAMES ALLEN, (1939) B.S., M.S., Ph.D.  
*Professor of Forest Entomology* 908 West Markham Avenue
- BEARD, JOSEPH W., (1937) B.S., M.D.  
*Assistant Professor of Surgery in Charge of Experimental Surgery* Hillsboro, N. C.
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D.  
*Associate Professor of Physiology and Pharmacology* Woodridge Drive, Rockwood
- BERNHEIM, MARY LILIAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D.  
*Assistant Professor of Biochemistry* Woodridge Drive, Rockwood
- BERRY, EDWARD WILLARD, (1936) A.B., Ph.D.  
*Associate Professor of Geology* 1003 N. Gregson Street
- BERRY, THOMAS SENIOR, (1935) S.B., M.A., Ph.D.  
*Instructor in Economics* 100 Vineyard Street
- BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D.  
*Associate Professor of Chemistry* 131 Pinecrest Road
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E.  
*Professor of Civil Engineering* 1209 Virginia Avenue
- BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A.  
*Assistant Professor of Accounting* 135 Pinecrest Road
- BLACKBURN, WILLIAM MAXWELL, (1926) A.B., B.A., M.A.  
*Associate Professor of English* 715 Anderson Street
- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D.  
*Professor of Botany* 922 Demarius Street
- BOAS, RALPH PHILIP, JR. (1939) A.B., Ph.D.  
*Instructor in Mathematics* Duke University
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A. (Juris.), M.A., B.C.L.  
*Professor of Law* Hope Valley
- BONNER, LYMAN GAYLORD, (1937) A.B., Ph.D.  
*Instructor in Physics* Nation Avenue
- BOOKHOUT, CAZLYN GREEN, (1935) A.B., A.M., Ph.D.  
*Instructor in Zoology* 1307 Alabama Avenue

\* Absent on leave, second semester, 1940-1941.

- BRADFORD, WILLIAM ZIEGLER, (1934) B.S., M.D.  
*Assistant Professor of Obstetrics and Gynecology and  
 Director, Outside Obstetric Service* Charlotte, N. C.
- BRADSHER, CHARLES KILGO, (1939) A.B., M.A., Ph.D.  
*Instructor in Chemistry* 2219 Club Boulevard
- BRADWAY, JOHN SAEGER, (1931) A.B., A.M., LL.B.  
*Professor of Law* Rockwood
- \*BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D.  
*Professor of New Testament Language and Literature  
 and Director of Libraries* Chelsea Circle, Hope Valley
- BRICE, ASHBEL GREEN, (1939) A.B., A.M.  
*Instructor in English* Duke University
- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M.  
*Assistant Professor of Romance Languages* 1325 Arnette Avenue
- BROADHEAD, EDWARD HALL, (1933) A.B., A.M., M.M.  
*Instructor in Music* 2614 Chapel Hill Road
- BROWN, FRANCES, (1931) A.B., Ph.D.  
*Instructor in Chemistry* 205 Jones Street
- BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D.  
*Professor of English* 410 Buchanan Road
- BROWN, HAROLD WILLIAM, (1938) A.B., M.S., Sc.D., Dr.P.H., M.D.  
*Professor of Preventive Medicine and Public Health* Chapel Hill, N. C.
- \*\*BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D.  
*Professor of Educational Psychology* Hope Valley
- BRUINSMA, HENRY A., (1938) B.M., M.M.  
*Instructor in Music* 2106 Sprunt Street
- BRYSON, THADDEUS DILLARD, (1928) LL.D.  
*Professor of Law* Hope Valley
- CALLAWAY, JASPER LAMAR, (1937) B.S., M.D.  
*Associate in Dermatology and Syphilology* 907 Second Street
- \*\*\*CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M., D.D.  
*Ivey Professor of History of Religion and Missions* 619 Morehead Avenue
- CARLITZ, LEONARD, (1932) A.B., A.M., Ph.D.  
*Associate Professor of Mathematics* 1410 Markham Avenue
- CARPENTER, DAVID WILLIAMS, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of Physics* 137 Pinecrest Road
- CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.  
*Professor of Education* 926 Monmouth Avenue
- \*\*CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.  
*Professor of History* University Apartments
- CARTER, BAYARD, (1931) A.B., B.A., M.A., M.D.  
*Professor of Obstetrics and Gynecology* Myrtle Drive, West Campus
- CAVERS, DAVID FARQUHAR, (1931) B.S., LL.B.  
*Professor of Law* Sylvan Road
- CHAPMAN, ROBERT G., (1936) B.S. in M.E., M.M.E.  
*Instructor in Mechanical Engineering* 1001 Watts Street
- CHILDS, BENJAMIN GUY, (1924) B.A., M.A.  
*Professor of Education* 1019 West Markham Avenue
- \*\*\*\*CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D.  
*Assistant Professor of New Testament Language and Literature*  
 1308 Markham Avenue

\* Absent on leave, second semester, 1939-1940.

\*\* Absent on leave, 1940-1941.

\*\*\* Absent on leave, second semester, 1940-1941.

\*\*\*\* Absent on leave, first semester, 1940-1941.

- CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D.  
*Associate Professor of History* Faculty Apartments
- COILE, THEODORE STANLEY, (1935) B.S.F., M.F., Ph.D.  
*Assistant Professor of Forest Soils* University Apartments
- COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D.  
*Associate Professor of Political Science* 611 Watts Street
- CONANT, NORMAN FRANCIS, (1935) B.S., A.M., Ph.D.  
*Assistant Professor of Bacteriology and Mycology* Tuscaloosa Forest
- CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.  
*Assistant Professor of Physics* 2519 Woodridge Drive
- COOLIDGE, THOMAS BUCKINGHAM, (1935) B.A., Ph.D., M.D.  
*Associate in Biochemistry* Vineyard and Legion Avenue
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.  
*Professor of Romance Languages* 1017 Dacian Avenue
- CRAIG, ROBERT LAWRENCE, (1938) B.A., M.D.  
*Instructor in Neurology* 308 Oakwood Avenue
- CRAVEN, ERLE BULLA, JR., (1937) A.B., M.D.  
*Instructor in Medicine* Winston-Salem, N. C.
- CRISPELL, RAYMOND S., (1933) A.B., M.D.  
*Associate Professor of Neuropsychiatry* Myrtle Drive, West Campus
- CRUM, MASON, (1930) A.B., Ph.D.  
*Assistant Professor of Biblical Literature* Anderson Street
- CULBRETH, SARAH ELIZABETH, (1938) A.B., A.M., Ph.D.  
*Instructor in Zoology* 1107 Watts Street
- CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D.  
*Professor of Biology* 1200 Markham Avenue
- DANN, WILLIAM JOHN, (1934) B.S., Ph.D.  
*Associate Professor of Physiology and Nutrition* 1016 Sycamore Street
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.  
*Assistant Professor of Romance Languages* 2015 Wa Wa Avenue
- DAVISON, WILBURT CORNELL, (1927) A.B., B.A., B.Sc., M.A., D.Sc., M.D.  
*Professor of Pediatrics and Dean of the School of Medicine* Hope Valley
- DEES, JOHN ESSARY, (1939) B.S., M.D.  
*Instructor in Urology* University Apartments
- DEES, SUSAN COONS, (1939) A.B., M.S., M.D.  
*Instructor in Pediatrics* University Apartments
- DELAPLANE, WALTER HAROLD, (1934) A.B., A.M., Ph.D.  
*Instructor in Economics* 214 Swift Avenue
- DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D.  
*Associate Professor of Economics* 8 Sylvan Road
- DICK, MACDONALD, (1932) B.A., M.A., M.D.  
*Associate in Medicine, Physiology, and Pharmacology* Hope Valley
- DOW, MARIE, MME., (1934) L. ès L., M.A.  
*Instructor (Part-time) in French* 1411 Arcadia Street
- DOW, NEAL, (1934) A.B., A.M., Ph.D.  
*Instructor in Romance Languages* 1411 Arcadia Street
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.  
*Instructor in Mathematics* Route 1, Box 106, Durham
- DUBS, HOMER HASENPFLUG, (1937) A.B., A.M., B.D., Ph.D.  
*Acting Professor of Philosophy* 2415 Club Boulevard
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D.  
*Professor of Physiology and Pharmacology* Hope Valley

- EAGLE, WATT WEEMS, (1929) A.B., M.D.  
*Associate Professor of Surgery in Charge of Otolaryngology* 804 Anderson Street
- EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.  
*Assistant Professor of Education* Guess Road
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.  
*Professor of Physics* 406 Buchanan Road
- EITEMAN, WILFORD J., (1937) A.B., A.M., Ph.D.  
*Assistant Professor of Economics* 126 Pinecrest Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.  
*Professor of Mathematics* 1404 Arnette Avenue
- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.  
*Professor of Sociology* Pinecrest Road
- EPPELSON, JESSE HARRISON, (1930) B.S.  
*Instructor in Preventive Medicine and Public Health* 1601 Hermitage Court
- ERICKSON, CYRUS CONRAD, (1937) B.S., B.M., M.D.  
*Instructor in Pathology* University Apartments
- EVERETT, JOHN WENDELL, (1932) A.B., Ph.D.  
*Assistant Professor of Anatomy* 2511 University Drive
- FARMER, WILLIAM DEMPSEY, (1935) A.B., M.D.  
*Instructor in Otolaryngology and Ophthalmology* University Apartments
- FERGUSON, ARTHUR BOWLES, (1939) A.B., Ph.D.  
*Instructor in History* 713 Anderson Street
- FERGUSON, GEORGE BURTON, (1937) M.S. (Med.), M.D.  
*Instructor in Bronchoscopy* Beverly Apartments
- FINKELSTEIN, HAROLD, (1931) B.S., M.D.  
*Assistant Professor of Surgery* Erwin Apartments
- FITZGERALD, WILLIAM STONE, (1935) A.B., A.M.  
*Instructor in English* 6 Powe Apartments, 603 Watts Street
- FLETCHER, RICHARD VAN, (1933) B.S., M.D.  
*Instructor in Surgery* 210 Faculty Apartments
- FORBUS, WILEY DAVIS, (1929) A.B., M.D.  
*Professor of Pathology* Hope Valley
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D.  
*Professor of Church History* Myrtle Drive, West Campus
- GARDINER, ANN HENSHAW, (1930) R.N., B.S., M.S.  
*Assistant Professor of Nursing Education* 212 Watts Street
- GARDNER, CLARENCE ELLSWORTH, JR., (1930) A.B., M.D.  
*Associate Professor of Surgery* Hope Valley
- GATES, ARTHUR MATHEWS, (1909) A.B., A.M., Ph.D.  
*Assistant Professor of Latin* 1030 West Trinity Avenue
- GERGEN, JOHN JAY, (1936) A.B., M.A., Ph.D.  
*Professor of Mathematics* 1012 West Trinity Avenue
- GIBSON, WILLIAM MARION, (1934) A.B., A.M., Ph.D.  
*Instructor in Political Science* 2014 Wilson Street
- \*GILBERT, ALLAN, (1920) B.A., A.M., Ph.D.  
*Professor of English* 516 Carolina Circle
- GILBERT, KATHERINE EVERETT, (1930) A.B., A.M., Ph.D.  
*Professor of Philosophy* 516 Carolina Circle

\* Absent on leave, second semester, 1940-41.



- GLASSON, WILLIAM HENRY, (1902) Ph.B., Ph.D., LL.D.  
*Professor of Political Economy and Social Science, Emeritus*  
710 Buchanan Road
- \*GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.  
*Professor of English* 1001 Lamond Avenue
- GOTAAS, HAROLD BENEDICT, (1938) B.S., M.S., S.M.  
*Instructor in Public Health* Chapel Hill, N. C.
- GRAHAM, WILLIAM ALEXANDER, (1939) A.B., M.D.  
*Instructor in Obstetrics and Gynecology* 515 Morehead Avenue
- GRAVES, ROBERT WILLIAMS, (1936) B.S., M.A., M.D.  
*Associate in Neurology* Cornwallis Road
- GRAY, IRVING EMERY, (1930) B.S., M.S., Ph.D.  
*Associate Professor of Zoology* 124 Pinecrest Road
- GREENE, WALTER KIRKLAND, (1928) A.B., A.M., Ph.D.  
*Professor of English and Dean of Undergraduate Instruction*  
Myrtle Drive, West Campus
- GREENWOOD, JOSEPH, (1930) A.B., A.M., Ph.D.  
*Assistant Professor of Mathematics* 1314 Norton Street
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D.  
*William Howell Pegram Professor of Chemistry* Hope Valley
- GROUT, JULIA REBECCA, (1924) A.B., M.S.  
*Assistant Professor of Physical Education, Woman's College* 205 Jones Street
- GROVES, ERNEST RUTHERFORD, (1938) A.B., B.D., Research Professor of So-  
ciology at the University of North Carolina  
*Lecturer on Sociology, second half-year*
- GUNTER, JUNE U., (1938), A.B., M.D.  
*Instructor in Pathology* Duke Hospital
- \*HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D.  
*Professor of Zoology* 122 Pinecrest Road
- HALL, LOUISE, (1931) B.A., S.B. in Architecture, Brevet d'Art de la Sorbonne  
*Assistant Professor of Fine Arts* 211 Faculty Apartments
- HALL, SNOWDEN COWMAN, (1937) A.B., M.D.  
*Instructor in Medicine* Danville, Va.
- HALL, WILLIAM HOLLAND, (1915) A.B., A.M., B.C.E., M.S.C.E.  
*Professor of Engineering and Dean of the College of Engineering*  
111 Watts Street
- HAMBLÉN, EDWIN CROWELL, (1931) B.S., M.D.  
*Associate Professor of Obstetrics and Gynecology* 814 Forest Hill Road
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D.  
*Professor of Economics* 1015 Demarius Street
- HAMILTON, WILLIAM BASKERVILLE, JR., (1936) A.B., A.M., Ph.D.  
*Instructor in History* 2009 Pershing Street
- HANES, FREDERIC MOIR, (1931) A.B., A.M., M.D.  
*Florence McAlister Professor of Medicine* 2127 Myrtle Drive, West Campus
- HANSEN-PRÜSS, OSCAR CARL EDVARD, (1930) A.B., M.D.  
*Associate Professor of Medicine* 3 Surry Road, Hope Valley
- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D., Sc.D.  
*Professor of Zoology* 811 Watts Street
- HARRAR, ELWOOD SCOTT, (1936) B.S., M.S., Ph.D.  
*Associate Professor of Wood Technology* 1402 Alabama Avenue
- HARRIS, JEROME SYLVAN, (1936) A.B., M.D.  
*Associate in Pediatrics and Biochemistry* 1018 Demarius Street
- HART, DERYL, (1929) A.B., A.M., M.D.  
*Professor of Surgery* Duke University Road and Highway 751

\* Absent on leave, second semester, 1940-1941.



- HART, HORNELN NORRIS, (1938) A.B., M.A., Ph.D.  
*Professor of Sociology* Randolph Road
- HARWELL, GEORGE CORBIN, (1935) A.B., A.M., Ph.D.  
*Instructor in English* No. 8, Aycock Apartments, Dacian Avenue
- HASBROUCK, FRANCIS MAHLON, (1935) A.B., Ph.D.  
*Assistant Professor of Romance Languages* 1005 Homer Street
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.  
*Professor of Physics* 708 Buchanan Road
- \*HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.  
*Assistant Professor of Chemistry* 1020 Rose Hill Avenue
- HAVENS, RALPH MURRAY, (1938) A.B., M.B.A.  
*Instructor in Accounting* 1809 Chapel Hill Road
- HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D.  
*Instructor in Physics* 132 Pinecrest Road
- HENDRIX, JAMES PAISLEY, (1938) B.S., M.A., M.D.  
*Associate in Medicine* 144 Pinecrest Road
- HERRING, HERBERT JAMES, (1924) A.B., A.M.  
*Assistant Professor in Speech and Dean of Men* Myrtle Drive, West Campus
- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.  
*Associate Professor of Anatomy* Hope Valley
- HICKMAN, FRANKLIN SIMPSON, (1927) A.B., S.T.B., A.M., Ph.D.  
*Professor of Preaching and the Psychology of Religion and  
Dean of the Chapel* 823 Buchanan Rd.
- HICKSON, ARTHUR OWEN, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of Mathematics* Legion Avenue, Tuscaloosa Forest
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.  
*Instructor in Chemistry* Dixon Road
- HITCH, JOSEPH M., (1938) A.B., M.S., M.D.  
*Instructor in Dermatology and Syphilology* Chapel Hill, N. C.
- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.  
*Instructor in Chemistry* 10 Powe Apartments, Buchanan Road
- HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D.  
*Assistant Professor of Anatomy* 1003 Urban Avenue
- HOLTON, HOLLAND, (1912) A.B., J.D.  
*Professor of the History and Science of Education and  
Director of the Summer School* 809 Watts Street
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D., Litt.D.  
*Professor of Economics and Dean of the Graduate School of  
Arts and Sciences* 1702 Duke University Road
- HORACK, HUGO CLAUDE, (1930) Ph.B., LL.B., LL.D.  
*Professor of Law and Dean of the School of Law* 2021 Myrtle Drive, West Campus
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.  
*Professor of English* Pinecrest Road
- IRVING, WILLIAM HENRY, (1936) B.A., B.A. (Oxon.), M.A., Ph.D.  
*Professor of English* 207 Legion Avenue
- JEFFERS, KATHERINE R., (1937) A.B., A.M., Ph.D.  
*Instructor in Zoology* 1507 West Pettigrew Street
- \*JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.  
*Professor of Sociology* 143 Pinecrest Road
- JOHNSON, MYCHYLE W., (1937) A.B., Ph.D.  
*Instructor in Zoology* 1701 G Street

\* Absent on leave, first semester, 1940-1941.

- JOHNSTON, CHRISTOPHER, (1930) A.B., M.D.  
*Assistant Professor of Medicine and Physiology* 1417 W. Pettigrew Street
- JONES, ROBERT RANDOLPH, JR., (1930) A.B., M.D.  
*Assistant Professor of Surgery* 1105 Watts Street
- JONES, THOMAS T., (1937) A.B., M.D.  
*Instructor in Medicine* 1919 Club Boulevard
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.  
*Assistant Professor of English* Pinecrest Road, Corner U. S. Highway No. 751
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.  
*Professor of Romance Languages* 117 Pinecrest Road
- KEECH, JAMES MAYNARD, (1931) A.B., A.M., Ph.D.  
*Instructor in Economics* Nation Avenue
- KEMP, EDWARD H., (1940) A.B., Ph.D.  
*Assistant Professor of Psychology*
- KEMP, MALCOLM D., (1937) M.D.  
*Instructor in Psychiatry* Pine Bluff, N. C.
- KEMPNER, WALTER, (1934) M.D.  
*Associate in Medicine* Washington Duke Hotel
- KLEIN, JAMES RAYMOND, (1930) A.B., Ph.D.  
*Instructor in Biochemistry* 924 Green Street
- KOHN, HENRY IRVING, (1937) A.B., Ph.D.  
*Instructor in Physiology and Pharmacology* 907 Second Street
- KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.  
*Professor of Silviculture and Dean of the School of Forestry* 1718 Duke University Road
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.  
*Associate Professor of Botany* 922 Urban Avenue
- KRAYBILL, EDWARD K., (1939) B.S. in E.E.  
*Instructor in Electrical Engineering* 113 Watts Street
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.  
*Professor of German* 2118 Englewood Avenue
- LANDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.  
*Assistant Professor of Economics* 1001 West Trinity Avenue
- LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.  
*Associate Professor of History* Hope Valley
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.  
*Professor of History* 1108 Monmouth Avenue
- LATTY, ELVIN REMUS, (1937) B.S., J.D., J.Sc.D.  
*Professor of Law* 2020 Wilson Street
- LEIBY, GEORGE M., (1938) M.P.H., Dr.P.H., M.D.  
*Instructor in Syphilology* Chapel Hill, N. C.
- LEMERT, BEN FRANKLIN, (1930) B.Sc. in Bus. Admin., M.A., Ph.D.  
*Assistant Professor of Economic Geography* 123 Pinecrest Road
- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.  
*Assistant Professor of Philosophy* 107 Pinecrest Road
- LESTER, DAVID WASHINGTON, (1939) M.D.  
*Instructor in Neuropsychiatry* Duke Hospital
- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.  
*Assistant Professor of Economics* Duke University
- LEVER, OSCAR WILLIAM, (1940) A.B., A.M.  
*Instructor in Homiletics and Biblical Literature* Duke University
- LEWIS, LEROY, (1935) A.B., A.M.  
*Instructor in Speech* 1517 North Duke Street
- LINEBARGER, PAUL MYRON ANTHONY, (1937) A.B., M.A., Ph.D.  
*Assistant Professor of Political Science* 1502 Bivins Street
- LONDON, ARTHUR HILL, JR., (1932) B.S., M.D.  
*Instructor in Pediatrics* 502 Morehead Avenue

- LONDON, FRITZ, (1938) Ph.D.  
*Professor of Theoretical Chemistry* 1308 Markham Avenue
- LOWNDES, CHARLES LUCIEN BAKER, (1934) A.B., LL.B., S.J.D.  
*Professor of Law* 2016 Club Boulevard
- LUND, JOHN JORGENSEN, (1939) A.B., Ph.D., Certificate of Librarianship  
*Librarian* 1015 Gloria Avenue
- LUNDEBERG, OLAV K., (1931) A.B., A.M., Ph.D.  
*Associate Professor of Romance Languages* 127 Pinecrest Road
- LUNDHOLM, HELGE, (1930) Fil. Kand., Fil. Lic., Ph.D.  
*Professor of Psychology* 803 Second Street
- LYMAN, RICHARD S., (1940) A.B., M.D.  
*Professor of Psychiatry and Mental Health* Duke University
- MCBRYDE, ANGUS, (1931) B.S., M.D.  
*Assistant Professor of Pediatrics* 1522 Hermitage Court
- MCCAIN, PAUL PRESSLY, (1933) A.B., M.D.  
*Assistant Professor of Medicine* Southern Pines, N. C.
- MCCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.  
*Instructor in History* Vineyard Street, Tuscaloosa Forest
- MCCREA, FORREST DRAPER, (1930) B.S., M.S., Ph.D.  
*Associate Professor of Physiology and Pharmacology* 1023 Demarius Street
- MCDERMOTT, MALCOLM, (1930) A.B., LL.B.  
*Professor of Law* East Campus
- MCDONALD, ALEXANDER DONALD, (1936) A.B., M.F.A.  
*Assistant Professor of Fine Arts* University Apartments
- MCLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M., Ph.D.  
*Instructor in Philosophy* Hillsboro, N. C.
- MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.  
*Professor of Law* Hope Valley
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.  
*Assistant Professor of History and Dean of Freshmen* Myrtle Drive, West Campus
- MANNING, ISAAC HALL, JR., (1937) A.B., M.D.  
*Instructor in Medicine* Chapel Hill, N. C.
- MARTIN, DAVID WILLIAM, (1938) B.S., M.D.  
*Instructor in Pediatrics* Duke Hospital
- MARTIN, DONALD STOVER, (1932) A.B., M.D.  
*Associate Professor of Bacteriology and Associate in Medicine* 2609 Chapel Hill Boulevard
- MARTIN, ELSIE WILSON, MRS., (1930) A.B., M.S.  
*Professor of Dietetics* 206 Faculty Apartments, East Campus
- MAUGHAN, WILLIAM, (1931) B.S., M.F.  
*Associate Professor of Forest Management* 5 Sylvan Road
- MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.  
*Assistant Professor of German* 142 Pinecrest Road
- MEIER, OTTO, JR., (1934) B.S. in E.E., E.E.  
*Assistant Professor of Electrical Engineering* 916 Monmouth Avenue
- \*MILES, EDWARD ROY CECIL, (1929) B.S., M.A., Ph.D.  
*Assistant Professor of Mathematics* 1028 Gloria Avenue
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M.  
*Associate Professor of English* East Campus
- MOORE, CHARLES A., (1940) Ph.D.  
*Exchange Professor of Philosophy*

\* Absent on leave, 1940-1941.

- MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.  
*Associate Professor of Philosophy* 1210 Vickers Avenue
- MORGAN, JASPER EUGENE, (1936) B.S., A.M., Ph.D.  
*Instructor in Roentgenology and Physiology* University Apartments
- MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.  
*Assistant Professor of Physics* 132 Pinecrest Road
- MUENZINGER, KARL F., (1939) A.B., Ph.D.  
*Visiting Professor of Psychology* 1202 North Gregson Street
- MULLER, MARY HOEN, (1930) R.N., Anes.  
*Instructor in Anesthesia* Duke Hospital
- MUNYAN, MERRILL CALVIN, (1934) A.B.  
*Instructor in History* Rockwood
- MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M.  
*Professor of Biblical Literature* 141 Pinecrest Road
- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.  
*Associate Professor of History* Hope Valley
- NEURATH, HANS, (1938) Ph.D.  
*Assistant Professor of Biochemistry* Manchester Apartments
- NICHOLSON, WILLIAM MCNEAL, (1935) A.B., M.D.  
*Associate in Medicine and Biochemistry* 812 Anderson Street
- NIELSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.  
*Professor of Physics* 139 Pinecrest Road
- NORDHEIM, LOTHAR WOLFGANG, (1937) Ph.D.  
*Professor of Physics* 904 Buchanan Road
- NORFLEET, GRIZZELLE M., (1938) A.B., B.S., M.A.  
*Supervisor of the Spastic Clinic* Faculty Apartments
- NORTON, J. W. ROY, (1938) A.B., M.P.H., M.D.  
*Lecturer in Preventive Medicine and Public Health* Chapel Hill, N. C.
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D.  
*Assistant Professor of Botany* 2528 University Drive, Rockwood
- ORGAIN, EDWARD STEWART, (1934) M.D.  
*Associate in Medicine* 116 Faculty Apartments
- ORMOND, JESSE MARVIN, (1923) A.B., B.D., D.D.  
*Professor of Practical Theology* 301 Watts Street
- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.  
*Assistant Professor of Historical Theology* Francis Street
- PARKER, HAROLD TALBOT, (1939) A.B., Ph.D.  
*Instructor in History* University Apartments
- PARSONS, PHILIP BROWER, (1936) B.S., M.D.  
*Instructor in Radiology* Duke Hospital
- PATTERSON, KARL BACHMAN, (1920) A.B., A.M.  
*Assistant Professor of Mathematics* 1024 Monmouth Avenue
- PATTON, LEWIS, (1926) A.B., Ph.D.  
*Associate Professor of English* 1511 W. Pettigrew Street
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D.  
*Professor of Zoology* Chelsea Circle, Hope Valley
- PEARSE, RICHARD LEHMER, (1935) A.B., M.D.  
*Instructor in Obstetrics and Gynecology* Chelsea Circle, Hope Valley
- PEPPLER, CHARLES WILLIAM, (1912) A.B., Ph.D.  
*Professor of Greek* 406 Buchanan Road
- PEELE, TALMAGE LEE, (1939) M.D.  
*Instructor in Anatomy* University Apartments

- PERLZWEIG, WILLIAM ALEXANDER, (1929) B.S., A.M., Ph.D.  
*Professor of Biochemistry* Hope Valley
- PERRY, HAROLD SANFORD, (1932) A.B., Ph.D.  
*Assistant Professor of Botany* 1222 Sixth Street
- PERSONS, ELBERT LAPSLEY, (1930) A.B., M.D.  
*Associate in Medicine and Dermatology* 723 Anderson Street
- PETRY, RAY C., (1937) A.B., A.M., Ph.D.  
*Assistant Professor of Church History* Pinecrest Road
- PIGAGE, LEO CHARLES, (1938) M.E., M.M.E.  
*Instructor in Mechanical Engineering* 903 Sixth Street
- PINKERTON, MARGARET ISABEL, (1939) R.N., B.S.  
*Professor of Nursing and Dean of the School of Nursing* Nurses Home
- PLUMMER, DAVID EDWIN, (1938) M.D.  
*Instructor in Syphilology* 1102 Virginia Avenue
- POSTON, MARY ALVERTA, (1930) A.M.  
*Instructor in Bacteriology* 512 Watts Street
- POTEAT, JAMES DOUGLASS, (1936) A.B., LL.B., J.S.D.  
*Professor of Law* 1015 Dacian Avenue
- POTEAT, MARY, (1935) A.B., A.M., Ph.D.  
*Instructor in English* 103 Faculty Apartments
- PRATT, JOSEPH GAITHER, (1937) A.B., A.M., Ph.D.  
*Instructor in Psychology* Nation Avenue
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D.  
*Professor of Education* Myrtle Drive, West Campus
- QUYNN, DOROTHY MACKAY, MRS., (1930) A.B., A.M., Docteur de l'Université  
de Paris  
*Assistant Professor of History* Woodridge Drive, Rockwood
- QUYNN, WILLIAM ROGERS, (1930) B.A., M.A., Ph.D.  
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- RANEY, RICHARD BEVERLY, (1934) A.B., M.D.  
*Associate in Orthopaedics* Bland Apartments
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D.  
*Professor of Political Science* Manchester Apartments
- RANKIN, WATSON SMITH, (1930) M.D.  
*Lecturer in Preventive Medicine and Public Health* Charlotte, N. C.
- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.  
*Professor of Mathematics* 1011 Gloria Avenue
- RATCHFORD, BENJAMIN ULYSSES, (1928) B.S., A.M., Ph.D.  
*Associate Professor of Economics* 133 Pinecrest Road
- RAYMOND, MARY LOIS, (1931) A.B., M.A.  
*Instructor in Romance Languages* 1003 Lamond Avenue
- REAMER, I. THOMAS, (1931) Ph.G.  
*Instructor in Pharmacy* University Apartments
- REED, FREDERICK JEROME, (1935) M.E., M.S.  
*Assistant Professor of Mechanical Engineering* 2203 Englewood Avenue
- REEVES, ROBERT JAMES, (1930) A.B., M.D.  
*Associate Professor of Radiology* 1010 Monmouth Avenue
- REID, JOHN TURNER, (1939) A.B., A.M., Ph.D.  
*Assistant Professor of Romance Languages* 2613 University Drive
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.  
*Professor of Psychology* 908 W. Club Boulevard
- RICHARDSON, WILLIAM P., (1938) B.S., M.P.H., M.D.  
*Instructor in Preventive Medicine and Public Health* Chapel Hill, N. C.



- ROBERT, JOSEPH CLARKE, (1938) A.B., A.M., Ph.D.  
*Assistant Professor of History* 917 Englewood Avenue
- ROBERTS, JOHN H., (1931) A.B., Ph.D.  
*Assistant Professor of Mathematics* Legion Avenue, Tuscaloosa Forest
- ROBERTS, LOUIS CARROLL, (1933) B.S., M.D.  
*Instructor in Urology* Duke Hospital
- ROGERS, ROBERT S., (1937) A.B., A.M., Ph.D.  
*Professor of Latin* 1008 W. Trinity Avenue
- ROPP, THEODORE, (1938) A.B., A.M., Ph.D.  
*Instructor in History* 1009 Lakewood Avenue
- \*ROSBOROUGH, RUSKIN RAYMOND, (1925) A.B., A.M., Ph.D., Docteur en  
philologie classique, Louvain  
*Professor of Latin* 410 Watts Street
- ROSE, JESSE LEE, (1936) A.B., M.A., Ph.D.  
*Instructor in Latin* No. 5, Powe Apartments, 603 Watts Street
- ROSENAU, MILTON JOSEPH, (1938) M.D.  
*Lecturer in Preventive Medicine and Public Health* Chapel Hill, N. C.
- ROSS, NORMAN F., (1937) D.D.S.  
*Instructor in Dentistry* 1021 Dacian Avenue
- ROSS, ROBERT ALEXANDER, (1930) B.S., M.D.  
*Associate Professor of Obstetrics and Gynecology* 818 Anderson Street
- ROWE, GILBERT THEODORE, (1928) A.B., S.T.D., D.D., Litt.D.  
*Professor of Christian Doctrine* 150 Pinecrest Road
- RUCKER, EDWIN MACRAE, (1934) A.B., M.D.  
*Instructor in Obstetrics and Gynecology* University Apartments
- RUFFIN, JULIAN MEADE, (1930) B.A., M.A., M.D.  
*Associate Professor of Medicine* 816 Anderson Street
- RUSSELL, ELBERT, (1926) A.B., A.M., Ph.D., Litt.D.  
*Professor of Biblical Interpretation and Dean of the  
School of Religion* 811 Vickers Avenue
- SANDERS, C. RICHARD, (1937) B.Ph., M.A., Ph.D.  
*Assistant Professor of English* 1315 Vickers Avenue
- SANDERS, PAUL HAMPTON, (1936) A.B., LL.B.  
*Assistant Professor of Law* 1603 Duke University Road
- SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D.  
*Assistant Professor of Chemistry* 707 Club Boulevard
- SCATES, DOUGLAS EDGAR, (1939) A.B., Ph.D.  
*Associate Professor of Education* 600 N. Gregson Street
- SCHULZE, WILLIAM, (1936) B.S., M.D.  
*Instructor in Medicine* Duke Hospital
- SCHUMACHER, FRANCIS X., (1937) B.S.  
*Professor of Forestry* 6 Sylvan Road
- SEELEY, WALTER JAMES, (1925) E.E., M.S.  
*Professor of Electrical Engineering* 1005 Urban Avenue
- \*\*SHANDS, ALFRED RIVES, JR., (1930) B.A., M.D.  
*Associate Professor of Surgery in Charge of Orthopaedics* Wilmington, Del.
- SHARP, D. GORDON, (1939) B.S., M.A., Ph.D.  
*Research Associate in Experimental Surgery* Duke Hospital
- SHEARS, LAMBERT ARMOUR, (1927) A.B., A.M., Ph.D.  
*Instructor in German* 917 Green Street
- SHEPHERD, HAROLD, (1939) A.B., J.D.  
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\* Absent on leave, 1940-1941.

\*\* Absent on leave, 1937—.



- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.  
*Assistant Professor of Accounting* 602 W. Chapel Hill Street
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*Associate Professor of Political Science* 2032 Club Boulevard
- SIMPSON, WILLIAM HAYS, (1930) A.B., A.M., Ph.D.  
*Instructor in Political Science* 1408 Dollar Avenue
- SMITH, DAVID TILLERSON, (1930) A.B., M.D.  
*Professor of Bacteriology and Associate Professor of Medicine* Hope Valley
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D., Litt.D.  
*Professor of Christian Ethics and Religious Education* 1523 Hermitage Court
- SMITH, O. NORRIS, (1937) B.A., M.D.  
*Instructor in Medicine* Greensboro, N. C.
- SMITH, ROBERT SIDNEY, (1932) A.B., A.M., Ph.D.  
*Assistant Professor of Economics* 2020 Wilson Street
- SMITH, RUTH SLACK, MRS., (1927) A.B., A.M.  
*Instructor in Education and Associate Dean of Undergraduate Instruction, Woman's College* 115 Faculty Apartments, East Campus
- SMITH, SUSAN GOWER, MRS., (1930) A.B., M.A.  
*Associate in Medicine* Hope Valley
- SNIVELY, MARY HELEN, (1930) R.N., Anes.  
*Instructor in Anesthesia* 606 Buchanan Road
- SPENCE, BESSIE WHITTED, MRS., (1929) A.B., A.M., B.D.  
*Instructor in Biblical Literature* Hope Valley
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D., D.D.  
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- SPENGLER, JOSEPH JOHN, (1934) A.B., M.A., Ph.D.  
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- SWETT, FRANCIS HUNTINGTON, (1929) A.B., M.A., Ph.D.  
*Professor of Anatomy* Hope Valley
- SYDNOR, CHARLES SACKETT, (1936) A.B., Ph.D.  
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- THEISS, ERNEST S., (1939) B.S. in M.E., M.S.  
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- TRUESDALE, JAMES N., (1930) A.B., A.M., Ph.D.  
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- TUCKER, GORDON H., (1939) B.S., M.S., Ph.D.  
*Instructor in Zoology* Chapel Hill, N. C.
- UPCHURCH, SAMUEL EARLE, (1933) B.A., M.D.  
*Instructor in Surgery* Duke Hospital
- VAIL, CHARLES ROWE, (1939) B.S. in E.E.  
*Instructor in Electrical Engineering* 1007 W. Trinity Avenue
- VANCE, MARY HENDREN, MRS., (1926) A.B., A.M.  
*Assistant Professor of English* 208 Watts Street
- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D.  
*Professor of German* 2114 Myrtle Drive, West Campus
- VON BECKERATH, HERBERT, (1935) Ph.D.  
*Professor of Economics and Political Science* Hope Valley
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.  
*Professor of Chemistry* 2319 Englewood Avenue
- WACKERMAN, ALBERT EDWARD, (1938) B.S., M.F.  
*Professor of Forest Utilization* 110 Forest Wood Drive
- WADE, WALLACE, (1931) A.B.  
*Director of Physical Education, Trinity College* Myrtle Drive, West Campus
- WALLACE, WILLIAM STUART, (1938) A.B., M.D.  
*Instructor in Radiology* Dillon Road
- \*WALTON, LORING BAKER, (1929) A.B., Lic. ès L.  
*Associate Professor of Romance Languages* 1012 Green Street
- WANNAMAKER, WILLIAM HANE, (1904) A.B., A.M., Litt.D.  
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- WARD, CHARLES EUGENE, (1927) A.B., A.M., Ph.D.  
*Assistant Professor of English* 110 Pinecrest Road
- WATERS, CHESTER H., JR., (1938) B.A., M.D.  
*Instructor in Orthopaedics* Duke Hospital
- WATSON, JOHN D., (1939) A.B., B.S. in C.E., M.S., Sc.D.  
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- WATSON, KARL BRANTLEY, (1936) B.S., A.B., A.M., Ph.D.  
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- WATSON, RICHARD L., JR., (1939) A.B., Ph.D.  
*Instructor in History* 1104 Watts Street
- WAY, VERNON ELGIN, (1930) A.B., A.M., M.A.  
*Assistant Professor of Greek* 909 Gregson Street
- WEBB, ALBERT MICAJAH, (1903) A.B., A.M.  
*Professor of Romance Languages* 1017 Trinity Avenue
- WELFLING, WELDON, (1936) A.B., A.M., Ph.D.  
*Instructor in Economics* Pickett Road
- WEST, ALFRED THURBER, (1930) B.S., A.M.  
*Assistant Professor of English* 1001 Lamond Avenue
- WHARTON, GEORGE WILLARD, JR., (1939) B.S., Ph.D.  
*Instructor in Zoology* Vance Apartments
- WHITE, MARIE ANNE, MRS., (1930) A.B., A.M.  
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- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D.  
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- WHITMAN, WILLIAM TATE, (1939) A.B., A.M.  
*Instructor in Economics* 718 Vickers Avenue
- \*WIDGERY, ALBAN GREGORY, (1930) B.A., M.A.  
*Professor of Philosophy* St. Catherine, Pinecrest Road
- WILBUR, RALPH SYDNEY, (1933) B.S. in M.E., M.E.  
*Professor of Mechanical Engineering* 1317 Arnette Avenue
- WILKINSON, JULIA, (1939) B.M., M.M.  
*Instructor in Music* Faculty Apartments
- WILLIAMS, JAMES WESLEY, (1937) A.B., B.S. in C.E.  
*Instructor in Civil Engineering* 1507 W. Pettigrew Street
- WILSON, FREDERICK ELIPHAZ, (1923) A.B., A.M.  
*Assistant Professor of German* 1020 Demarius Street
- WILSON, ROBERT NORTH, (1910) A.B., M.S.  
*Professor of Chemistry* 822 Third Street
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D.  
*Professor of Political Science* 717 Anderson Street
- WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.  
*Professor of Botany* 924 Urban Avenue
- WOODHALL, BARNES, (1937) B.A., M.D.  
*Assistant Professor of Surgery in Charge of Neuro-surgery* 144 Pinecrest Road
- WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D.  
*Assistant Professor of History* 2534 University Drive
- YATES, ANNE, (1933) A.B., A.M., Ph.D.  
*Assistant Professor of Biochemistry* Cornwallis Road
- YOUNG, EDWARD HUDSON, (1923) A.B., A.M.  
*Assistant Professor of Romance Languages* 13 Beverly Apartments
- YOUNG, PAUL G., (1937) B.Ph., A.M.  
*Instructor in German* 1306 N. Mangum Street
- YOUNGSTROM, KARL ARDEN, (1937) A.B., M.A., Ph.D.  
*Instructor in Anatomy* Fir Street
- \*\*ZENER, KARL EDWARD, (1928) Ph.B., A.M., Ph.D.  
*Associate Professor of Psychology* 416 Carolina Circle

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- BAKER, ELEANOR USSHER, (1930) A.B.  
*Instructor in English in School of Nursing* Duke Hospital
- BATCHELDER, MARION FRANCIS, (1930) R.N.  
*Instructor in Nursing Administration and Supervision* Duke Hospital
- CARPENTER, JAMES M., (1938) Ph.D.  
*Instructor (Part-time) in English* 406 Buchanan Road
- CHAFFIN, NORA CAMPBELL, (1936) A.B., A.M.  
*Instructor (Part-time) in History* Bassett House
- COLLOMS, LESTER HUBERT, (1939) A.B., B.D.  
*Instructor (Part-time) in Religion* 1018 Monmouth Avenue
- DOTY, ROY ANDERSON, JR., (1939) A.B., A.M.  
*Instructor (Part-time) in Education* 206 Legion Avenue
- DOWLING, ARTHUR JOSEPH, JR., (1939) A.B.  
*Instructor (Part-time) in English* Duke University
- HINVES, EDITH, (1934) R.N.  
*Instructor in Nursing Supervision* Nurses Home

\* Absent on leave (Exchange), first semester, 1940-1941.

\*\* Absent on leave, first semester, 1940-1941.

- LAYNE, MARY ELIZABETH, (1940) B.S.  
*Instructor (Part-time) in Mathematics* Duke University
- MACCOLL, SYLVIA HAZELTON, (1938) A.B., M.A., Ph.D.  
*Instructor (Part-time) in Psychology* Vineyard and Legion Streets
- MARTIN, WILLARD EDGAR, JR., (1937) A.B., A.M., Ph.D.  
*Instructor (Part-time) in English* 812 Wilkerson Avenue
- MORWITZ, ERNEST M., (1939) D. Jur.  
*Teaching Fellow in Hellenistic Religions* 2110 Wilson Street
- OSTWALT, JAY HAROLD, (1939) A.B., A.M.  
*Instructor (Part-time) in Education* Duke University
- ROBINSON, ALICE, (1939) A.B., M.A.  
*Instructor (Part-time) in Fine Arts* 1206 Markham Avenue
- SINGER, ARMAND E., (1938) A.B., A.M.  
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## INDUSTRIAL RESEARCH ASSOCIATES

- DARKIS, FREDERICK RANDOLPH Chemistry 1211 Alabama Avenue  
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- MCLEAN, RUTH Chemistry 2 Powe Apartments  
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- ADKINS, TROGLER FRANCIS, (1937) M.D.  
*Assistant in Obstetrics and Gynecology* Duke Hospital
- ARNOLD, RALPH A., (1936) B.A., M.D.  
*Assistant in Otolaryngology and Ophthalmology* Duke Hospital
- AXELSON, GORDON JOSEPH, (1939) M.D.  
*Assistant in Endocrine Division, Obstetrics and Gynecology* Duke Hospital
- BAREFOOT, SHERWOOD W., (1939) B.S., M.D.  
*Fellow in Dermatology and Syphilology* Duke Hospital
- BEARD, DOROTHY WATERS, (1938) R.N.  
*Research Assistant in Experimental Surgery* Hillsboro, N. C.
- BRIDGERS, WILLIAM HENRY, (1936) B.S., M.D.  
*Assistant in Surgery* Duke Hospital
- BRYAN, W. RAY, (1938) B.S., Ph.D.  
*Research Associate in Experimental Surgery* Duke Hospital
- BRYSON, EDWIN CONSTANT, (1931)  
*Assistant in Legal Aid Clinic* 1023 Sycamore Street
- CARTER, RICHARD RUTLEDGE, (1938) B.A., M.D.  
*Assistant in Medicine* Duke Hospital
- CRAIG, JANE STANLEY, (1938) A.B.  
*Research Assistant in Anatomy* 308 Oakwood Avenue
- CUYLER, W. KENNETH, (1938) B.A., M.A.  
*Research Fellow in Endocrinology* Duke Hospital
- EASLEY, ELEANOR BEAMER, (1934) B.A., M.A., M.D.  
*Assistant in Obstetrics and Gynecology* Duke Hospital
- ELGART, SAMUEL, (1939) B.S., M.D.  
*Assistant in Biochemistry* House FF, Duke University
- FLETCHER, JUNE THOMAS, MRS., (1937) A.B., M.D.  
*Assistant in Student Health* 210 Faculty Apartments
- FUGATE, ROBERT CARSON, (1938) M.D.  
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- GOODMAN, ELIZA DOROTHY, (1934) R.N., Anes.  
*Assistant in Anesthesia* 407 Cook Street

HAMM, ALMA SMITH, (1937) R.N., Anes <i>Assistant in Anesthesia</i>	409 Cook Street
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HARVEY, HAROLD IRA, (1937) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
HOLLISTER, WILLIAM FREDWIN, (1938) M.D. <i>Assistant in Surgery</i>	Duke Hospital
HOUGH, JOSEPH DAVID, (1938) B.A., M.D. <i>Assistant in Medicine</i>	Duke Hospital
JOISTAD, ARTHUR HARVEY, JR., (1938) A.B., B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
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MOSELEY, VINCE, (1937) A.B., M.D. <i>Fellow in Dermatology and Syphilology</i>	Duke Hospital
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NALLE, BRODIE CRUMP, JR., (1939), B.A., M.D. <i>Voluntary Assistant in Pathology</i>	Duke Hospital
PATTEE, CHAUNCEY JOHNSON, (1939) B.A., M.S., M.D.C.M. <i>Research Fellow in Endocrinology</i>	Duke Hospital
PETTUS, WILLIAM HENRY, JR., (1937) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
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RAY, RUSSELL BEVERLEY, (1939) B.A., M.D. <i>Assistant in Surgery and Anatomy</i>	Duke Hospital
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SARETT, HERBERT PAUL, (1939) B.A., M.S. <i>Assistant in Biochemistry</i>	House FF, Duke University
SCHLAYER, CLOTILDE, (1937) M.D. <i>Research Assistant in Medicine</i>	Washington Duke Hotel
SEALY, WILL CAMP, (1936) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
SMITH, PRESTON, (1932) <i>Assistant in Clinical Microscopy</i>	114 E. Seeman Street
STEVENS, JOSEPH BLACKBURN, (1936) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
STROUD, GEORGE MERRITT, (1938) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
STUART, CHRISTOPHER, JR., (1936) M.D. <i>Assistant in Urology</i>	Duke Hospital



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WEBSTER, NELSON MORTIMER, (1938) M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
WELLS, WARNER LEE, (1938) M.D. <i>Assistant in Surgery</i>	Duke Hospital
WHILDIN, JAMES GRIFFITH, (1939) B.S., M.D. <i>Research Fellow, National Cancer Institute, in Pathology</i>	Duke Hospital
WILLIAMS, PAUL M., (1938) M.D. <i>Assistant in Medicine</i>	Duke Hospital
WISE, NANCY BOWMAN, (1937) A.B., M.D. <i>James A. Greene Research Fellow in Medicine and Bacteriology</i>	University Apartments
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CAMERON, EDMUND McCULLOUGH, (1926) A.B. <i>Instructor in Physical Education; Head Coach of Varsity Basketball; Assistant Coach of Football</i>	Hope Valley
CARD, WILBUR WADE, (1902) A.B. <i>Instructor in Physical Education</i>	1110 Minerva Avenue
CHAMBERS, ROBERT LUTHER, (1933) B.S. in Ed. <i>Instructor in Physical Education; Head Coach of Varsity Track</i>	2633 Chapel Hill Road
CLARK, MORRIS McCAULEY, (1939) A.B. <i>Assistant Instructor in Physical Education</i>	206 Watts Street
COOMBS, JOHN WESLEY, (1929) B.S. <i>Instructor in Physical Education; Head Coach of Varsity Baseball</i>	101 House DD, Craven Quadrangle
CRICHTON, MARSHALL, (1931) <i>Instructor in Golf</i>	Hope Valley
DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	University Apartments
FOGLEMAN, WILLIAM HARRY, (1935) <i>Instructor in Physical Education; Coach of Tennis</i>	University Apartments
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HAGLER, ELLIS, (1930) A.B. <i>Instructor in Physical Education; Coach of Varsity Golf; Assistant Coach of Football</i>	911 Arnette Avenue
HILL, DAN WINFIELD, JR., (1939) A.B. <i>Assistant in Physical Education</i>	220 Forestwood Drive
LEWIS, HUBERT MURRY, (1937) B.S. <i>Assistant Instructor in Physical Education and Track</i>	Duke University



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 Coach of Football* University Apartments
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- DOWLING, MARY LOUISE, (1937) B.S.  
*Instructor in Physical Education* K-2-B University Apartments
- LEWIS, MARTHA MODENA, (1933) B.S.  
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- ROGERS, HARRIET ROWLEY, MRS., (1939) B.S., M.A.  
*Instructor in Physical Education* 814 Second Street
- SMITH, NATALIE, (1940) B.A., M.S.  
*Instructor in Physical Education* Duke University
- \*\*WYCHE, ALMA VIRGINIA, (1930) A.B., M.S.  
*Instructor in Physical Education* 202 Erwin Apartments

THE UNIVERSITY LIBRARIES

- BRANSCOMB, BENNETT HARVIE, A.B., B.A., M.A., Ph.D., Litt.D.  
*Director of Libraries* Hope Valley

GENERAL LIBRARY, INCLUDING WOMAN'S COLLEGE LIBRARY

- LUND, JOHN JORGENSEN, A.B., Ph.D., Certificate of Librarianship  
*Librarian* 1015 Gloria Avenue
- BREDLOVE, JOSEPH PENN, A.B., A.M.  
*Librarian Emeritus* 407 Watts Street
- MALONE, EVA EARNSHAW, A.B., B.S.  
*Assistant Librarian and Head of Catalogue Department* 512 Watts Street
- NUERMBERGER, GUSTAVE ADOLPH, A.B., A.M., Ph.D., Certificate of Librarianship  
*Head of Reference Department* 1604 B Street
- PRATT, ELLIS CARL, A.B., A.B. in L.S.  
*Head of Circulation Department* 2032 Englewood Avenue
- TAUBE, MORTIMER, A.B., Ph.D., Certificate of Librarianship  
*Head of Order Department* University Apartments

- BEVERS, MRS. EARL (GENEVA SATTERWHITE)  
*Assistant, Order Department* 723 Holloway Street
- BRITZ, MATTHEW, A.B.  
*Assistant in Charge, Graduate Reading Room* M-04 Duke University
- BURCH, VELLA JANE, A.B., A.M., B.A. in L.S.  
*Cataloguer* 316 N. Elizabeth Street
- COVINGTON, LENA, A.B., A.B. in L.S.  
*Classifier* 1008 Monmouth Avenue
- CREWS, SUDIE ELIZABETH  
*Accessions Librarian* 1004 West Trinity Avenue

\* Resigned, November 5, 1939.

\*\* Resigned, June 3, 1940.

DOUGLAS, ELINOR, A.B., M.A. <i>Assistant, Periodical Room</i>	2114 Myrtle Drive
DUKE, MRS. KENNETH L. <i>Secretary to the University Librarian</i>	2035 Englewood Avenue
*FRAZIER, ROSE MARIE, B.S., B.M., A.B. <i>Cataloguer, Documents Room</i>	702 Buchanan Road
FREY, ELLEN, B.A., M.A. <i>Reference Librarian</i>	905 Second Street
GREENE, JANE, A.B., B.A. in L.S. <i>Order Librarian</i>	1004 West Trinity Avenue
HIX, EDWIN JONATHAN, A.B. <i>Circulation Librarian</i>	1303 Duke University Road
HOPKINS, BERTHA, B.S., A.B. in L.S. <i>Cataloguer</i>	No. 6 Bickett Apartments
JAFFÉ, LILLIAN DOROTHY <i>Assistant, Catalogue Department</i>	704 Roxboro Street
JETT, FLORENCE LEIGH, A.B., A.B. in L.S. <i>Gift and Exchange Librarian</i>	1011 Monmouth Avenue
KIMBALL, MRS. RALPH (MILDRED MYERS), A.B., B.S. in L.S. <i>Cataloguer and Classifier</i>	2112 Wilson Street
KLEIN, MRS. J. RAYMOND, Certificate of Librarianship <i>Cataloguer</i>	924 Green Street
LAND, PHOEBE, A.B., B.S. <i>Cataloguer</i>	407 Watts Street
LEWIS, EVELYN, B.S. <i>Cataloguer</i>	No. 6 Bickett Apartments
**MCCLENNY, MARGUERITE, A.B. <i>Assistant, Catalogue Department</i>	903 Monmouth Avenue
MANNING, JULIA BYE, A.B. <i>Secretary to the Director of Libraries</i>	208 Buchanan Road
MATTHEWS, MRS. JOHN F. (MARY GUAGENTY), A.B., M.A. <i>Assistant in Charge, Chemistry Library</i>	1020 Monmouth Avenue
MAULTSBY, KATHLEEN, A.B. <i>Assistant, Order Department</i>	1314 Broad Street
MERRITT, GERTRUDE, A.B. <i>Serials Librarian</i>	1907 Club Boulevard
MONIER, EUGENIE <i>Assistant in Charge, Engineering Library</i>	1020 Monmouth Avenue
MORGAN, MRS. JASPER (KATHERINE MORGAN), A.B. <i>Assistant in Charge, Physics-Mathematics Library</i>	University Apartments
NUERMBERGER, MRS. GUSTAVE A. (RUTH KETRING), A.B., A.M., Ph.D., Certificate of L.S. <i>Curator, Manuscript Department</i>	1604 B Street
OATHOUT, MELVIN, A.B., A.B. in L.S. <i>Librarian in Charge, Undergraduate Reading Room</i>	1021 Gloria Avenue
OGDEN, CATHERINE, A.B., B.S. in L.S. <i>Bibliographer, Order Department</i>	1111 Urban Avenue
OYLER, HELEN, A.B., B.S. in L.S. <i>Head Classifier</i>	210 West Trinity Avenue
PARKER, WIXIE ELMA, A.B., B.S. in L.S. <i>Librarian in Charge, Periodical Room</i>	603 Watts Street

\* On leave, February 1 to September 1, 1940.

\*\* Resigned, October 31, 1939.

PICKEN, MRS. ROBERT L., JR., A.B. <i>Assistant, Catalogue Department</i>	808 Third Street
POOLE, MARY ELIZABETH, A.B., B.A. in L.S. <i>Documents Librarian</i>	407 Watts Street
RAMAGE, MARY ALLENE, A.B., B.A. in L.S. <i>Librarian in Charge, Newspaper Room</i>	1003 Monmouth Avenue
REID, MRS. JOHN T. (DORCAS WORSLEY), A.B. Certificate of Librarianship <i>Documents Librarian</i>	2613 University Drive
ROBERTS, MRS. WESLEY (DORA YOUNG) <i>Assistant, Catalogue Department</i>	Hillsboro, N. C.
ROSE, MRS. JESSE (ETHEL ABERNETHY), A.B. <i>Cataloguer and Classifier</i>	603 Watts Street
SHUFORD, MARY OPAL, A.B. <i>Assistant, Catalogue Department</i>	805 Sixth Street
STALLCUP, MARY JANE, B.S., B.A. in L.S. <i>Cataloguer and Classifier</i>	No. 6 Bickett Apartments
STRICKLAND, ERMA <i>Assistant, Order Department</i>	911 Second Street
STROWD, ANNE, A.B. <i>Reference Librarian</i>	901 Mangum Street
TATUM, WILLIAM GILCHRIST, JR., A.B. <i>Circulation Librarian</i>	1200 Markham Avenue
*THOMPSON, SARAH WRAY, A.B. <i>Order Librarian</i>	208 Buchanan Road
TILLEY, NANNIE M., A.B., A.M., Ph.D. <i>Assistant Curator, Manuscript Department</i>	2313 Club Boulevard
WESCOTT, MARY, A.B., B.S. <i>Head Cataloguer</i>	1008 Monmouth Avenue
WILKERSON, MRS. LUTHER C. (LULA HUNT) <i>Secretary to the Librarian Emeritus</i>	1001 Monmouth Avenue
WOODALL, EVA AVERY, A.B. <i>Librarian in Charge, School of Religion Library</i>	1003 Monmouth Avenue
WYNNE, MARJORIE, A.B. <i>Assistant in Charge, Biology Library</i>	506 Buchanan Road

## WOMAN'S COLLEGE LIBRARY

GRIGGS, LILLIAN BAKER, MRS., B.A. in L.S. <i>Librarian</i>	915 Monmouth Avenue
FAUCETTE, MARY ELIZABETH, A.B., A.B. in L.S. <i>Assistant, Circulation Department</i>	610 East Trinity Avenue
HARRISON, EVELYN JENNINGS, A.B., B.S. in L.S. <i>Head Cataloguer</i>	1008 Monmouth Avenue
HICKS, MRS. SPEARS, A.B., A.B. in L.S. <i>Reference Librarian</i>	121 West Seeman Street
MONTGOMERY, MARGARET ELIZABETH, A.B., A.B. in L.S. <i>Periodicals Librarian</i>	205 Faculty Apartments, East Campus
MURPHY, VIRGINIA BARDWELL, A.B., A.B. in L.S. <i>Cataloguer</i>	1008 Monmouth Avenue
TUDOR, FRANCES, A.B., B.S. in L.S. <i>Circulation Librarian</i>	207 Watts Street

\* Resigned, February 29, 1940.

## LAW LIBRARY

ROALFE, WILLIAM ROBERT, LL.B. <i>Librarian</i>	111 W. Seeman Street
COVINGTON, MARY SIMMONS, A.B., LL.B. <i>Research Librarian</i>	Faculty Apartments
DAY, KATHERINE, B.S. <i>Assistant Cataloguer</i>	512 Watts Street
LONG, MARIANNA, A.B., B.S. in L.S. <i>Head Cataloguer</i>	1008 Monmouth Avenue
STUBBS, HAZEL MANGUM, MRS. <i>Assistant in Order Division</i>	University Apartments
WALKER, ANNIE CARPENTER, MRS. <i>Secretary to the Librarian</i>	2121 West Pettigrew Street

## MEDICAL SCHOOL LIBRARY

FARRAR, JUDITH, A.B., B.S. <i>Librarian</i>	177 Faculty Apartments, East Campus
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## UNIVERSITY CHAPEL

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D. <i>Dean of the Chapel</i>	823 Buchanan Road
BARNES, JAMES FOSTER, A.B., A.M. <i>Director of Choral Music</i>	703 Watts Street
BREES, ANTON <i>University Carillonneur</i>	2114 Myrtle Drive
BROADHEAD, EDWARD HALL, A.B., A.M., M.M. <i>University Organist</i>	2614 Chapel Hill Road
CLEAVELAND, FREDERIC NEILL, A.B. <i>Assistant in Religious Activities</i>	Duke University
WILLIAMS, DENNY, A.B. <i>Assistant in Religious Activities</i>	Duke University

## PHYSICAL EDUCATION AND STUDENT HEALTH

WADE, WALLACE, A.B. <i>Director of Physical Education, Trinity College</i>	West Campus
GROUT, JULIA REBECCA, A.B., M.S. <i>Assistant Professor of Physical Education, Woman's College</i>	205 Jones Street
SPEEL, JOSEPH ANDERSON, M.D. <i>Director of Student Health</i>	913 Dacian Avenue
FLETCHER, JUNE THOMAS, MRS., A.B., M.D. <i>Physician, Woman's College</i>	210 Faculty Apartments
PAGE, WRAY RAMSEY, MRS., (1928) R.N. <i>Resident Nurse</i>	East Campus Infirmary
VESTAL, MOZELLE, (1931) R.N. <i>Resident Nurse</i>	East Campus Infirmary

## SOCIAL AND MUSICAL ACTIVITIES

BARNES, EVELYN, B.S. <i>Head of Alsbaugh House</i>	Alsbaugh House
BARNES, JAMES FOSTER, MRS. <i>Director of the Woman's College Musical Clubs</i>	703 Watts Street
CHAFFIN, NORA CAMPBELL, A.B., A.M. <i>Head of Bassett House</i>	Bassett House
FEARING, ROBERT BEVERIDGE <i>Director of the College Orchestras and Band</i>	410 Watts Street
FREEMAN, MAY, A.B. <i>Head of Aycock House</i>	Aycock House
KESTLER, MARY, A.B., A.M. <i>Head of Jarvis House</i>	Jarvis House
PEMBERTON, MARY NORCOTT, MRS. <i>Hostess, West Campus Union</i>	Kilgo Quadrangle, West Campus
TAYLOR, HARRIET, MRS. <i>Head of Giles House</i>	Giles House
<hr/>	
UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B. <i>Financial Adviser, Student Activities</i>	Faculty Apartments

## FELLOWS AND GRADUATE ASSISTANTS

## UNIVERSITY FELLOWS

BENNETT, JOHN BOYCE A.B., Wofford College; B.D., Duke University	Religion	K-1-C University Apts.
BRACH, EARL TILTON A.B., Duke University	Greek	1106 Chapel Hill St.
*BRANDIS, ROLAND BUFORD, JR. A.B., University of Richmond; A.M., Duke University	Economics	808 N. Gregson St.
BRESLOW, DAVID SAMUEL B.S., College of the City of New York	Chemistry	07-HH
CAIN, HERBERT LLOYD A.B., Southwestern; A.M., Duke University	Greek	1107 Minerva Ave.
CARPER, DORIS VIOLA B.S., Farmville State Teachers College	Education	116 Buchanan Road
CAUSEY, NELLE BEVEL B.S., College of the Ozarks; A.M., University of Arkansas	Zoology	306 Faculty Apts.
DETURK, WILLIAM ERNEST A.B., A.M., University of Illinois	Zoology	2715 Chapel Hill Rd.
DUKE, KENNETH LINDSAY A.B., Brigham Young University	Zoology	2035 Englewood Ave.
GILBERT, PAUL WILNER A.B., A.M., University of Rochester	Mathematics	Box 5053, Duke Station
HAMILTON, JAMES DAVID TILLMAN A.B., A.M., University of Mississippi	History	010-HH
**HEYWARD, MARY ANNE A.B., Duke University	English	102 Faculty Apts.
HOPKINS, JAMES FRANKLIN A.B., University of Mississippi; A.M., University of Kentucky	History	010-HH

\* Resigned, November 15, 1939.

\*\* Resigned, February 6, 1940.



JOHNSTON, GEORGE WASHINGTON	Botany	1021 Markham Ave.
B.S., M.S., Mississippi State College		
*LIMOUZE, ARTHUR SANFORD	English	212-HH
A.B., College of Wooster; A.M., Columbia University		
LUTTRELL, EVERETT STANLEY	Botany	1004 Minerva Ave.
B.S., University of Richmond; A.M., Duke University		
MARYOTT, ARTHUR ALLEN	Chemistry	221-HH
A.B., Duke University		
PARK, ROBERT DEFOREST	Physics	115-HH
A.B., Oberlin College		
RICHARDS, JAMES AUSTIN, JR.	Physics	Nation and Driver Aves
A.B., Oberlin College		
RUSSELL, CHARLES DANIEL, JR.	Chemistry	209-HH
B.S., Niagara University; M.S., California Institute of Technology		
SKELL, PHILIP	Chemistry	04-HH
B.S., College of the City of New York		
SMITH, CLARENCE MCKITTRICK, JR.	History	09-HH
A.B., B.Mus., Newberry College; A.M., Harvard University		
STROUPE, HENRY SMITH	History	Box 4992, Duke Station
B.S., A.M., Wake Forest College		
STURM, ALBERT LEE, JR.	Political Science	225-HH
A.B., Hampden-Sydney College; A.M., Duke University		
WADE, LUTHER IRWIN	Mathematics	Box 4616, Duke Station
A.B., Duke University		
WOLLMAN, SEYMOUR HORACE	Physics	Physics Dept.
B.S., M.S., New York University		
WOOD, FREDERIC MARCUS, JR.	Latin	1107 Minerva Ave.
A.B., Western Reserve University; A.M., Duke University		

## BROOKINGS-DUKE FELLOWS

HARGREAVES, HERBERT WALTER	Economics	Washington, D. C.
A.B., University of Nevada; A.M., Clark University		
LEATH, JAMES MILTON	Political Science	Washington, D. C.
A.B., Austin College; A.M., Southern Methodist University		

## GRADUATE ASSISTANTS

ABRAMOVITCH, BENJAMIN	Chemistry	011-HH
B.S., McGill University		
ALLEN, CLARK LEE	Economics	910 Arnette Ave.
A.B., McKendree College; A.M., Washington University		
AYRES, ERLE BINGHAM	Chemistry	02-HH
B.S., A.M., Boston University		
**BARNES, JACK CARLISLE	English	201 Epworth
A.B., Duke University		
BECK, LLOYD HENRY	Psychology	01-HH
A.B., A.M., Oberlin College		
BIZZELL, WILLIAM HARDY	Economics	118-HH
B.S., Millsaps College		
BOYER, CHARLES CHESTER	Zoology	303 Swift Ave.
B.S., St. Bonaventure College		
BROWN, CATHERINE ELLA	Economics	303-C Faculty Apts.
A.B., Colorado College		

\* Resigned, November 3, 1939.

\*\* Second semester only.

BROWN, MARY ELLEN A.B., Goucher College	Philosophy	303-B Faculty Apts.
BURNS, WAYNE A.B., Miami University	English	2200 Chapel Hill St.
CAMPBELL, PHILIP STORER B.S. Bowdoin College	English	117-HH
CARR, THOMAS DEADERICK B.S., University of Florida	Physics	127-HH
CASKEY, JAMES EDWARDS, JR. B.S., Furman University	Mathematics	118-HH
CIVIN, PAUL A.B., University of Buffalo	Mathematics	208-HH
COLEMAN, MAYBELLE A.B., Lander College; A.M., Columbia University	Sociology	113 Faculty Apts.
COLLEY, FRANK HARRIS A.B., A.M., Duke University	History	Box 4862, Duke Station
COLLOMS, LESTER HUBERT A.B., Emory and Henry College; B.D., Emory University	Religion	1018 Monmouth Ave.
DECKER, JOHN PETER B.S., University of Idaho	Botany	Botany Department
DERR, PAUL FRANKLIN B.S., A.M., Duke University	Chemistry	08-HH
DOUGLASS, ANN ELIZABETH A.B., Swarthmore College	Psychology	215A Faculty Apts.
*DOWLING, ARTHUR JOSEPH, JR. A.B., Duke University	English	1010 W. Trinity Ave.
DUNCAN, HARRY ALVIN, JR. A.B., Grinnell College	English	1000 Lamond Ave.
ELMER, ROBERT WATSON A.B., Amherst College; A.M., Syracuse University	English	1603 Duke Univ. Rd.
FLEMISTER, LAUNCELOT JOHNSON, JR. A.B., A.M., Duke University	Zoology	1018 Gloria Ave.
**GARNER, WILLIAM NELSON B.S., Bethany College	Zoology	614 Arnette Ave.
GILMORE, PATRICIA MARY A.B., Smith College	English	308-C Faculty Apts.
GOULD, ROBERT KENT A.B., A.M., Duke University	Chemistry	08-HH
HADLEY, ELBERT HAMILTON B.S., M.S., University of Michigan	Chemistry	221-HH
HALL, MAURICE BARKER B.S., M.S., Brigham Young University	Physics	Physics Department
HARDCASTLE, AARON BASCOM A.B., A.M., University of Richmond	Zoology	2410 Club Blvd.
HARDENDORFF, VICTOR HALL A.B., Amherst College	English	212-HH
HOLDER, RAY A.B., A.M., University of Mississippi	Religion	1014 Lamond Ave.
HOLDER, VIRGINIA LEE SMART A.B., Randolph-Macon Woman's College; A.M., Duke University	Latin	1014 Lamond Ave.

\* Resigned, February 14, 1940.

\*\* Resigned, January 12, 1940.

HOOPES, LUTHER HARTMAN A.B., Catawba College	English	124-HH
HORTON, PAUL BURLEIGH A.B., Kent State University	Sociology	403-GG
HUDSON, BOYD ELLYSON, JR. A.B., Duke University	Chemistry	2500 Club Blvd.
HUMPHREYS, MARY EMILY A.B., Western Maryland College; A.M., Duke University	Botany	102 Faculty Apts.
JOHNSTON, ROBERT WARD A.B., Davidson College	Education	113 Epworth
JONES, JAMESON MILLER A.B., Southwestern; B.D., Louisville	Religion	105-GG
KEEFFE, DANIEL JOSEPH A.B., Louisiana State University	English	201-GG
KING, EMILY BARTON A.B., Converse College; A.M., Duke University	Romance Languages	302 Faculty Apts.
KOCH, SIGMUND A.B., New York University; A.M., State University of Iowa	Psychology	905 Sixth Street
LENANDER, HARLAN EDWARD A.B., Southwestern	Physics	113-HH
LETHBRIDGE, BERRY BICCOMB, JR. B.S., Franklin and Marshall College	Economics	1023 Gloria Ave.
LIVINGSTON, ROBERT BLAIR A.B., Colorado College	Botany	012-HH
MCADAMS, LAURA JEAN A.B., Erskine College; A.M., University of South Carolina	Romance Languages	Faculty Apts.
McDOUGALL, KENNETH DOUGAL Duke University	Zoology	Box 701, College Station
MARCUM, JAY MARSHALL A.B., Western Kentucky State Teachers College	Economics	402-GG
*MILES, FRANK FRODSHAM A.B., University of Washington	Sociology	1501 E. Main St.
MITCHELL, WILLIAM ALEXANDER B.S., Clemson Agricultural College	Political Science	015-HH
MONROE, ROGER CLIFFORD A.B., Bradley Polytechnic Institute; A.M., University of Florida	Education	708 Buchanan Rd.
MOORE, THOMAS HAYES B.S., Roanoke College	Economics	115 Epworth
NEELANDS, CHARLES WESLEY A.B., Queen's University; B.D., Queen's Theological College	Religion	1014 Lamond Ave.
PATTERSON, JAMES REID B.S., Davidson College	Physics	1007 Green St.
PETHICK, MARY GRACE A.B., Duke University	Botany	1021 Minerva Ave.
RAMSEY, HELEN JOYCE B.S., M.S., Purdue University	Zoology	302 Faculty Apts.
ROBERG, JANE B.S., University of Washington	Physics	216 Faculty Apts.
RUTLEDGE, IVAN CATE A.B., Carson-Newman College	Political Science	026-HH
SCHULTZ, HAROLD A.B., Columbia University	History	125-HH

\* Resigned, December 12, 1939.

SHANNON, EDGAR FINLEY, JR. A.B., Washington and Lee University	English	E-1-B University Apts.
*SINGLETARY, WILLIAM EDWARD A.B., Duke University	English	314-GG
STAINBROOK, EDWARD JOHN A.B., Allegheny College	Psychology	117 Epworth
**STARLING, JAMES HOLT A.B., A.M., University of Alabama	Zoology	F-1-A University Apts.
STEELE, ALPHEUS THORNTON A.B., Municipal University of Wichita	Economics	303 Swift Ave.
***TATE, RUSSELL SAGE, JR. A.B., University of Richmond; A.M., Duke University.	Economics	918 Urban Ave.
**TEAGARDEN, LUCETTA JANE A.B., Wilson College	English	305 Faculty Apts.
**THOMASSON, BETTY MARCHANT A.B., Meredith College	English	215 B. Faculty Apts.
WATTS, DANIEL THOMAS A.B., Elon College	Zoology	121-HH
WATTS, HESSIE BRAWLEY A.B., A.M., Duke University	English	306 Faculty Apts
WILLIAMS, MELVIN JOHN A.B., B.D., Duke University	Sociology	1110 W. Chapel Hill St.
WOLF, MARY HUBBARD A.B., Mount Holyoke College	Zoology	924 Urban Ave.
WRIGHT, ERNEST BASKIN A.B., University of Alabama; A.M., University of Wisconsin	Political Science	1215 Sixth St.

## GRADUATE SCHOLARS

AHLSTROM, JOHN DILLINGHAM A.B., Williams College	History	120-HH
BAILEY, JAMES EUGENE A.B., Duke University	Romance Languages	313-GG
BARRETT, WILLIAM ROBERT, JR. A.B., The Citadel	German	216-HH
BURROWS, EDWARD FLUD A.B., Washington and Lee University	History	023-HH
CLEVELAND, LESLIE JOSEPH A.B., Carleton College	History	015-HH
DIBELER, VERNON HAMILTON B.S., Duke University	Chemistry	214-HH
DOWNTON, JAMES BERTRAM A.B., University of Buffalo	Greek	1505 Duke Univ. Rd.
FAIRES, ROBERT EDGERTON B.S., Ohio University	Physics	217-HH
FEAGINS, CARROLL SPURGEON A.B., Duke University; A.M., University of Michigan	Philosophy	024-HH
FEW, KENDRICK SHEFFIELD A.B., Duke University	English	Duke Station
FLORA, WILLIAM EVANS SHERLOCK A.B., College of Wooster; A.M., Duke University	Political Science	1411 B Street

\* Resigned, October 24, 1939.

\*\* Second semester only.

\*\*\* Resigned, December 5, 1939.

HELM, ROBERT MEREDITH, JR. A.B., Wake Forest College	Philosophy	114-HH
JENNINGS, LOUIS GIRTON A.B., Franklin and Marshall College	Latin	212-HH
JONES, RALPH GRAY A.B., A.M., Louisiana State University	Political Science	117-HH
LONG, JOHN WILLIAM, JR. A.B., Dickinson College; A.M., Duke University	History	2003 Club Blvd.
LYU, KINGSLEY KYUNGSANG A.B., Chosen Christian College; B.S., A.M., Syracuse University	Philosophy	101 Epworth Hall
MCGAUGHRAN, LAURENCE SHIRLEY A.B., University of Louisville	Psychology	211-HH
RAND, ROBERT COLLOM A.B., Duke University	Mathematics	213-HH
RAPP, MARVIN AUGUST A.B., Colgate University	History	111-HH
REIN, WILLIAM CHRISTOPHER A.B., Western Maryland College; M.Ed., Duke University	Education	818 Sixth St.
STRICKLAND, WINIFRED LILLIE B.S., Birmingham-Southern College	Biochemistry	215-A Faculty Apts.
TOOLE, EBEN RICHARD B.S., New York State College of Forestry; A.M., Duke University	Forestry	219-HH
TURNER, PHILIP ALLISON A.B., Hiram College	Romance Languages	016-HH
VAN VOORHIS, ROBERT HENRY A.B., Duke University	Economics	314-HH
WALDRON, ELLIS LEIGH A.B., Ohio State University; A.M., University of Wisconsin	Political Science	017-HH
WEBB, JOHN MAURICE A.B., Duke University; A.M., Yale University	History	1017 W. Trinity Ave.

# UNDERGRADUATE COLLEGES

Trinity College  
The Woman's College  
The College of Engineering

1939-1940  
ANNOUNCEMENTS FOR 1940-1941



## THE COLLEGES

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### GENERAL STATEMENT

Duke University offers in Trinity College, the Woman's College, and the College of Engineering three academic degrees for undergraduate work: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Civil, Electrical, or Mechanical Engineering. Ten groups of studies lead to the degree of Bachelor of Arts, and two groups of studies lead to the degree of Bachelor of Science. These groups are designated by Roman numerals in the order in which they are described. For a description of these groups, see the section elsewhere in this catalogue under the topic "Groups of Studies for the Degree of Bachelor of Arts."

### TRINITY COLLEGE

Trinity College is the undergraduate college for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, the School of Nursing, the School of Forestry, and the School of Religion.

### THE WOMAN'S COLLEGE

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

The teachers of the College, many of whom teach also in Trinity College, are members of the University Faculty and are selected in cooperation with the several departments of instruction just as in the case of teachers of Trinity College, thus assuring a uniform educational standard. Graduates of the Woman's College, as graduates of all other colleges and schools within the University, receive their degrees from Duke University.

### THE COLLEGE OF ENGINEERING

Duke University, through the College of Engineering, offers standard four-year courses in civil, electrical, and mechanical engineering. These departments are housed respectively in Bivins, Asbury, and Branson Buildings. The James H. Southgate Memorial Building, set aside for the housing of engineering students, contains social rooms, recitation rooms, gymnasium, dining room, and kitchen, as well as dormitory facilities.

### THE LIBRARIES

The library resources of the University total, 569,140 volumes and 580,680 manuscript pieces. Eighty-four foreign and domestic newspapers and 2,874 periodicals are received currently.

# ADMISSION TO TRINITY COLLEGE AND THE WOMAN'S COLLEGE

## GENERAL REGULATIONS

Admission to Trinity College and the Woman's College of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability.

## UNITS OF ADMISSION

The academic requirements for admission are defined in terms of units. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily. Credit for fifteen units is required for admission.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

	UNITS		UNITS
English .....	4	Woodworking, Forging, and Machine Work.....	2
History and Social Studies.....	4	Art .....	1
Latin .....	4	Botany .....	1
Mathematics .....	4	Chemistry .....	1
Spanish .....	3	Economics .....	1
French .....	3	General Biology.....	1
German .....	3	General Science.....	1
Greek .....	3	Music .....	1
Commercial Subjects.....	3	Physical Geography.....	1
Agriculture .....	2	Physics .....	1
Household Economics.....	2	Sociology .....	1
Mechanical Drawing.....	2	Zoology .....	1

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

## ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least twelve of the fifteen units required for admission must come from the following:

	UNITS		UNITS
English .....	3 to 4	Mathematics .....	2 to 4
Foreign Language.....	2 to 6	Science .....	1 to 4
History and Social Studies..	1 to 4		

These twelve units must include three in English and two in mathematics. The units in mathematics must include one in algebra and one in plane geometry.

The three additional units necessary to make the required fifteen may come from the list above or from the larger table of units of admission.

#### ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University are required to validate their units by entrance examinations and such other tests as the University may prescribe.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by examinations.

#### ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: all applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester-hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students enrolling for the Bachelor's degree who transfer from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, are under all circumstances required to continue for at least one semester in Trinity College and in the Woman's College the foreign language they present for minimum graduation requirements.

Students who have transferred from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, must present laboratory notebooks in all science courses that are offered for advanced credit.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of

residence not less than the equivalent of four year-courses with an average grade of "C" or higher.

#### FRESHMAN WEEK

The week immediately preceding the opening of college is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given, on the basis of which Freshmen are sectioned in English, mathematics, and foreign languages. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to the new environment. Attendance upon these exercises is required of all Freshmen.

#### SPECIAL STUDENTS

Students of mature age may, upon approval by the Dean, be admitted as special students and allowed to enroll for such work as they are prepared to carry.

# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

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## GENERAL REGULATIONS

The requirements for the degree of Bachelor of Arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty-two semester-hours, on which an average grade of "C" must be made, is required for the degree of Bachelor of Arts in all groups. In addition to these requirements all candidates for the Bachelor of Arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester-hours. In Trinity College the physical education requirement is completed by the end of the Sophomore year; in the Woman's College, by the end of the Junior year.

The Faculty has authorized the groups of studies below for the guidance of students in selecting the work required for graduation. A student is free to choose any group he may desire. The several groups are designed to be of special value in a chosen profession and at the same time to provide a well-balanced course of study. With the approval of the Dean a student may at any time transfer from one group to another. In such transfers, work done in one group and not prescribed in the other will count as general elective credit, but all work prescribed in the new group must be completed before the student can be graduated.

No student is permitted to take less than fourteen semester-hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester-hours) unless his average grade in the preceding semester is higher than "C"; or, under any conditions, to take more than nineteen semester-hours of work, exclusive of required physical education.

On or before the date announced for the spring registration every student is required to designate the group in which he plans to graduate and to arrange his program of courses for the ensuing year. All students, when choosing courses, are urged to seek the advice of instructors in whose departments they expect to receive instruction. No course card is valid until it has the approval of the Dean.

## SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Arts

degree is limited to a maximum of thirty-six semester-hours; with the exception that a student whose principal work is in the Departments of English, Economics, or Romance Languages may be permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

Candidates for the degree of Bachelor of Arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester-hours; forestry, not to exceed eighteen semester-hours. The courses elected in these departments must be those approved by the Council on Undergraduate Instruction as appropriate for the Bachelor of Arts degree and published in the *Bulletin of Undergraduate Instruction*. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of Bachelor of Arts in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

**MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS**

The following requirements are authorized for all groups:

	S.H.
English Composition* .....	6
Natural Science** .....	8
Economics, History, or Political Science*** .....	6
Religion .....	6

In addition to the above requirements, at least the third college year of a foreign language must be completed.\*\*\*\*

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

\* This requirement is normally met by the completion of English 1 and 2. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for the normal requirement.

\*\* A student who does not present for entrance an acceptable unit of science must take sixteen semester-hours of science for graduation.

\*\*\* A student who does not present for entrance two acceptable units of history (exclusive of other social science work must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

\*\*\*\* Students who begin their language requirements in college are expected to follow the sequence of courses laid down by the department whose work they take and can omit only such course or courses as may be approved both by the department and the office of the Dean. Students who are granted the privilege of completing their language requirement by taking only six semester-hours in college must first pass, with at least a grade of "C," a special examination covering the work of the second college year. In addition, they must make at least an average of "C" on the work of the third college year. If a Freshman presents for entrance four units of Latin, he may satisfy his language requirements by taking either two years of Latin or two years of Greek.



The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

## GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

### GROUP I

#### GENERAL

This group is based on the traditional requirement for the degree of Bachelor of Arts. Students who choose it must complete the minimum uniform requirements for graduation; forty-two semester-hours in a division of concentration, exclusive of courses open primarily to Freshmen (in the Division of the Natural Sciences a maximum of eight hours of Freshman work is permitted in the forty-two hours mentioned above); twelve semester-hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation. The departments of instruction, for purposes of concentration, are grouped in three divisions:

**Humanities:** English, Fine Arts, German, Greek, Latin, Music, Philosophy, Romance Languages.

**Social Science and History:** Economics, Political Science, Education, History, Religion, Sociology.

**Mathematics, Psychology, and Natural Science:** Botany, Chemistry, Geology, Mathematics, Physics, Psychology, Zoology.

The forty-two semester-hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester-hours in a major department and eighteen to twenty-four semester-hours in at least two other departments of the same division with a minimum of six semester-hours in each department. The minimum number of hours required by the department for a major shall not include any course open primarily to Freshmen. Introductory courses above the Freshman level are to be counted or not at the discretion of the department concerned.

For purposes of concentration certain courses listed in the same department are considered as being in different departments; namely, courses in French, Italian, and Spanish. Likewise, courses in economics and business administration are reckoned as being in different departments. Also a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his related work in the same division.

The twelve semester-hours of restricted electives must be taken in one or both of the divisions not chosen for concentration, with a minimum of six semester-hours in any one department of these divisions.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Arts degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester-hours, with the proviso that a stu-

dent whose principal work is in the Departments of English, Economics, or Romance Languages is permitted to take additional work in sub-departments not to exceed a total in the department and the sub-departments of fifty-four semester-hours.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his division of concentration and his major department, and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will recheck their courses in their divisions of concentration each year with representatives of their major departments.

## GROUP II

### BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Economics 11, Mathematics 3-4, or equivalent.

Sophomore Year: Economics 51-52, 57-58, Political Science 61-62.

Junior Year: Economics 143, 138.\*

Senior Year: Economics 153-154, 181-182.

In addition to the courses specified above, a student in this group must elect twenty-one semester-hours from other courses in the Department. Six semester-hours of this elective work shall be selected from courses in the two-hundred group offered for Seniors and Graduates. With the permission of the Chairman of the Department students planning to take the examination to qualify as a Certified Public Accountant may be released from this requirement.

All elective work in economics must be approved in writing by the Director of Undergraduate Studies.

## GROUP III

### RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

\* With the permission of the Department, students specializing in accounting may substitute for this course one in that subject.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Religion 1-2.

Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 61-62, English Literature (6 hours).

Junior Year: Religion (6 hours), Psychology 101.

Senior Year: Religion\* (12 hours), Sociology (6 hours), Philosophy 6 hours).

#### GROUP IV

##### PRE-MEDICAL

Students qualifying for college graduation in this group must complete, in addition to the minimum uniform requirements, forty-two semester-hours in a division of concentration (subject to the regulations of the General Group), twelve semester-hours of restricted electives in one or both of the other divisions with at least six semester-hours in one department, and certain specific requirements as noted below. These specific requirements may count as part of the divisional concentration (if the division of concentration is the Natural Sciences) or they may count as restricted electives if another division of concentration is chosen. The foreign language should be German or French, preferably the former and including German 107-108.

The normal division of concentration for students electing this group is that of the Natural Sciences. However, the student may elect any one of the other two divisions for his divisional concentration. In this case, it may be necessary for him to complete more than one hundred and twenty-two semester-hours for his degree. If, however the student chooses the Natural Sciences for his division of concentration, he is urged to take as much elective work as possible in the Divisions of the Social Studies and the Humanities.

Completion of English 1 and 2; Chemistry 1-2, 61-70, 151-152; Physics 51-52; and Zoology 1-2 will satisfy the minimum course recommendations of the Association of American Medical Colleges. Many medical schools advise the completion of additional courses in these and in other subjects. The pre-medical student should ascertain the requirements of the particular medical school that he expects to attend.

The following arrangement of the courses in science is suggested:

Freshman Year: Chemistry 1-2, Zoology 1-2, Mathematics 7-8, or equivalent.

Sophomore Year: Chemistry 61-70, Physics 51-52.

Junior Year: Chemistry 151-152.

#### GROUP V

##### COLLEGE TEACHING

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

\* Not more than six semester-hours of electives may be taken in the Department of Religion.

French and German through the second year of college work.\* Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester-hours of work in the major subject, exclusive of work in the subject offered primarily for Freshmen; twelve semester-hours of work in related subjects approved by the student's Departmental Adviser; twelve semester-hours in education, philosophy, and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty-two semester-hours necessary for graduation.

At least twelve semester-hours of the work taken in the Senior year must be in courses open only to Seniors and Graduates.

## GROUP VI

### PUBLIC SCHOOL TEACHING

This group is designed for two classes of students: (a) those who plan to teach in secondary schools; (b) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

#### CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester-hours in education, of which three semester-hours may be in general psychology. The work in education must include three semester-hours in directed observation and practice teaching, three semester-hours in educational psychology, and three semester-hours in secondary education.

Six semester-hours, three each, in materials and methods, in two fields of high-school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below:

English, twenty-four semester-hours, to include the six of required work in composition, six in English literature, and six in American literature.

French, eighteen semester-hours, based on the usual two units for admission. German, Spanish, and Greek, the same requirements as for French.

History, eighteen semester-hours, including six each in American, ancient and medieval, and modern European history, and six semester-hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science.

\* Greek or Latin may be substituted for either French or German.

Latin, eighteen semester-hours based on the traditional four units for admission.

Mathematics, fifteen semester-hours.

Physical Education, twelve semester-hours.

Science, thirty semester-hours, including elementary courses in biology, chemistry, physics, and geography or geology.

A student may prepare to teach only one high-school subject by taking a major of twenty-four semester-hours in that subject (physical education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen.

Elective work sufficient to complete the one hundred and twenty-two semester-hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the Division of Social Science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are further warned to take their professional courses in the order outlined by the Department of Education, reserving for their Senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester-hours of the work in the Senior year must be in courses open only to Seniors or to Seniors and Graduates.

#### CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the Social Science Division as the division of concentration. In addition to the general requirements of Group I, the following specific requirements must be met:

	S.H.
English .....	3 or 6
American History and Government .....	6 or 9
Geography .....	6
Physical Education and Hygiene .....	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his Freshman year and advise with the Department as to an appropriate course for the spring semester. In all other particulars his course follows the General Group for the first year.

The following arrangement of courses is recommended for Freshmen entering the Teaching Group. The work for the following years will be arranged by the Department of Education.



FRESHMAN YEAR

	S.H.
English .....	6
Foreign Language .....	6
Science .....	8
History or elective* .....	6
Education or elective** .....	6
	32

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements\*\*\* and the courses specified below.

The following arrangement of specified courses is recommended:

- Freshman Year: Introductory Course in History (1-2 if taken in the Freshman year or 51-52 if taken thereafter).
- Sophomore Year: Economics 51-52, Political Science 61-62.
- Junior Year: Economics 143, History 105-106, Psychology 101, and either English 151 or 152.
- Senior Year: Six semester-hours of Economics from courses approved for Seniors.

The electives should be chosen largely from the work offered by the following departments: Philosophy, Sociology, Economics, History, Psychology, and Political Science. The total work (required and elective) in any one department may not exceed thirty semester-hours.

At least twelve semester-hours of the electives in the Senior year must be Senior-Graduate courses.

GROUP VIII

SOCIAL SERVICE

This group is designed for students who purpose after graduation to pursue professional studies in order to engage in practical social welfare work, such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoology is recommended for the required course in science.

The following arrangement of specified courses is recommended for students electing this group:

\* History is an alternate with economics or political science in the minimum requirements when the student presents two units of history for admission.  
 \*\* Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A follow the same plan or take any of the electives authorized for the General Group.  
 \*\*\* When there is overlapping, the minimum uniform requirements are accepted as a part of the special requirements in this group.



Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, Sociology 91-92 or Sociology 101.

Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 101, Sociology (6 hours).

Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen mainly from history, economics, political science, education, sociology, philosophy, psychology, and religion.

The subjects required for the Junior and Senior years may be transposed according to the courses available in any particular year.

## GROUP IX

### ACADEMIC-LAW COMBINATION

Students in either of the Liberal Arts Colleges of Duke University may complete in six years a combined course whereby they will receive their academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the Faculty of the Arts Colleges:

Students who have completed with not less than a "C" average at least ninety-six semester-hours of undergraduate work, including both the minimum uniform and the specific requirements, in the Pre-Legal Group of studies in Duke University may on the approval of the Dean of the undergraduate college transfer to the Law School of Duke University and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first-year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

## GROUP X

### HONORS

*Purpose:* Students who have revealed their desire and demonstrated their ability to do a type of intellectual work higher than that normally required for the liberal arts degree may apply to read for Honors during their last two college years. The aim of the Honors studies is to permit qualified undergraduates to attain a knowledge, both comprehensive and intensive, of a particular field, or fields, under conditions most stimulating to individual initiative and independence.

#### *General Rules:*

I. A student who has sixty-two semester-hours of work to his credit and who has completed the minimum requirements for graduation may apply to read for Honors. A departmental committee may, however, permit students to take as much as twelve hours of the minimum uniform requirements in the Junior and Senior years provided that these

are offset by the same number of hours in related subjects taken previously in courses not open primarily to Freshmen.

II. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

III. The minimum amount of work that may be taken in the major department shall be the equivalent of twenty-four semester-hours, and the maximum shall be the equivalent of thirty-six semester-hours.

IV. The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

*Departmental Honors:* Honors courses are available to qualified students in the following departments: Botany, Chemistry, Economics, Education, English, French, German, Greek, History, Mathematics, Physics, Psychology, Religion, and Zoology.

An undergraduate wishing to qualify for Departmental Honors usually enters the General Group during the Freshman year. At the close of the Sophomore year he may apply to read for Honors in a particular department. The requirements for admission to candidacy for Honors vary in the different departments. The student should consult the special requirements set forth in the "Departmental Honors Program." The Departmental Committee determines the eligibility of the various applicants for Honors reading within the department.

Students transferring from other institutions of approved standing at the close of the Sophomore year may be admitted to candidacy for Honors. Those wishing to read for Honors who expect to transfer at the close of the Sophomore year should communicate with Dean W. K. Greene, Chairman of the College Council on Honors, not later than April 15.

The work required of students in the Departmental Honors Group consists of (1) the minimum uniform requirements; (2) the program of Honors for the Junior and Senior years; and (3) elective work sufficient to complete the semester-hours necessary for graduation.

Study in a Department Honors course always includes work in regular open courses. In both Junior and Senior years it may, and usually does, also include work under special instruction (seminarial or tutorial) and assignments of independent reading.

All candidates who complete satisfactorily the minimum uniform requirements, a Departmental Honors course, and elective work sufficient to earn the necessary hours for graduation will be recommended by the Departmental Committee to the Dean of the College for graduation with Honors.

# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

## GENERAL REGULATIONS

The general regulations governing the requirements for the degree of Bachelor of Science are the same as those for the degree of Bachelor of Arts.

## SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Science degree is limited to a maximum of thirty-six semester-hours; provided that a student whose principal work is in a department containing several sub-departments is permitted to take additional work in sub-departments not to exceed a total in the department and the sub-departments of fifty-four semester-hours.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of Bachelor of Science in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

## MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
Economics, History, or Political Science* .....	6
English Composition** .....	6
French*** (second college year) .....	6-12
German*** (second college year) .....	6-12
Mathematics**** .....	6
Natural Science***** .....	16
Religion .....	6

\* A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

\*\* This requirement is normally met by the completion of English 1 and 2 or 4. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for the normal requirement. If a student fails to pass English 1-2 with a grade of "C" or better, he must complete three additional semester-hours of composition.

\*\*\* All candidates for the degree of Bachelor of Science must complete at least the second year of both college French and College German or their equivalent as determined by examination.

\*\*\*\* This requirement must be satisfied by the completion of Mathematics 7-8, or equivalent.

\*\*\*\*\* All candidates for the degree of Bachelor of Science must complete eight semester-hours in each of two elementary sciences.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

## GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

### GROUP I

#### GENERAL

Students who choose this group are required to complete the minimum uniform requirements for graduation; forty-eight semester-hours in the Division of Mathematics, Psychology, and Natural Science, of which not less than twenty-four nor more than thirty-two semester-hours may be taken in a major department (the hours prescribed in the major department may not include a course primarily open to Freshmen); and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation.

The student's major work must be in botany, chemistry, forestry, geology, mathematics, physics, psychology, or zoology.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Science degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester-hours, with the proviso that a student whose principal work is in a department containing any approved subdepartments is permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester-hours.

### GROUP II

#### PRE-FORESTRY

This group of studies is designed for students who intend to pursue the study of forestry, particularly as a profession. The first three years are given largely to fundamental and auxiliary subjects basic to a proper understanding of the more specialized work in technical forestry, which ordinarily requires two additional years to complete. The fourth year of this curriculum is devoted entirely to the first year of technical forestry. Upon the satisfactory completion of this four-year pre-forestry curriculum a student is eligible for a Bachelor of Science degree from Duke University. With this basic preparation it is possible to obtain the professional degree of Master of Forestry in one additional year of work taken in the School of Forestry (see *Bulletin of the School of Forestry*).

The following arrangement of courses is recommended for students electing this group:

*Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Botany 1 .....	4	Botany 2 .....	4
Physics 1 .....	4	Physics 2 .....	4
English 1 .....	3	English 2 .....	3
Foreign Language .....	3	Foreign Language .....	3
	14		14

*Sophomore Year*

Chemistry 1 .....	4	Chemistry 2 .....	4
Mathematics 7 .....	3	Mathematics 8 .....	3
Religion .....	3	Botany 52 .....	4
Engineering Drawing 1 .....	2	Engineering Drawing 2 .....	2
Foreign Language .....	3	Foreign Language .....	3
	15		16

*Junior Year*

Botany 151 .....	4	Botany 156 .....	4
Geology 51 .....	4	Forestry (elective) .....	2
Economics 51 .....	3	Economics 52 .....	3
Foreign Language .....	3	Foreign Language .....	3
		Religion .....	3
	14		15

Summer Field Work: 12 weeks to include Civil Engineering S110 (Plane Surveying), 2 s.h.; Forestry S150 (Forest Surveying), 5 s.h.; Forestry S151 (Forest Mensuration), 4 s.h., which are required for further work in forestry.

*Senior Year*

Forestry 211 .....	3	Forestry 212 .....	3
Forestry 231 .....	3	Forestry 224 .....	4
Forestry 251 .....	2	Forestry 254 .....	2
Forestry 253 .....	2	Forestry 264 .....	3
Forestry 259 .....	3	Electives .....	4
Forestry 261 .....	3		
	16		16

All elective courses must be selected in consultation with the Forestry Staff.



# COURSES OF INSTRUCTION

## TRINITY COLLEGE

## THE WOMAN'S COLLEGE

Note: Courses primarily for Freshmen are numbered from 1 to 49; those primarily for Sophomores are numbered from 50 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and Graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

Odd-numbered courses are offered in the fall semester, and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.

This is a condensed description of courses. For a full description see the Bulletin of Undergraduate Instruction.

### COURSES OPEN PRIMARILY TO FRESHMEN

Botany 1-2	History 1-2
Chemistry 1-2	Latin 1-2, 3, 4, 15, 16, 41, 42
Economics 11	Mathematics 1, 2, 3-4, 7, 8, 9-10
Education 4, 8	Physics 1-2
English 1-2	Political Science 21-22
Fine Arts 1-2	Religion 1-2
French 1-2, 3-4	Spanish 1-2, 3-4
German 1-2, 3-4	Zoology 1-2

### BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN; ASSOCIATE PROFESSOR KRAMER, DIRECTOR OF UNDERGRADUATE STUDIES; DR. ANDERSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR WOLF; ASSOCIATE PROFESSOR HARRAR; ASSISTANT PROFESSORS ADDOMS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE), OOSTING AND PERRY; AND ASSISTANTS

1. General Botany.—4 s.h. STAFF
2. General Botany.—Prerequisite: Botany 1. 4 s.h. STAFF
51. Growth.—Prerequisite: one year of botany. 4 s.h.  
ASSISTANT PROFESSOR ADDOMS
52. Plant Identification.—Prerequisite: one year of botany. 4 s.h.  
PROFESSOR BLOMQUIST
55. Morphology and Anatomy of Vascular Plants.—Prerequisite: one year of botany. 4 s.h.  
ASSISTANT PROFESSOR OOSTING
101. Principles of Heredity.—Prerequisite: one course in biology, botany, or zoology. High-school or college algebra recommended. 3 or 4 s.h.  
ASSISTANT PROFESSOR PERRY
103. General Bacteriology.—Prerequisite: one year of botany or zoology, or equivalent. 4 s.h.  
PROFESSOR WOLF
104. The Structure and Identification of Lower Plants.—Prerequisite: one year of botany. 4 s.h.  
DR. ANDERSON



151. **Introductory Plant Physiology.**—Prerequisite: Botany 1, 2, or equivalent; one year of chemistry recommended. 4 s.h.  
ASSOCIATE PROFESSOR KRAMER
156. **Plant Ecology.**—Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h.  
ASSISTANT PROFESSOR OOSTING
202. **Genetics.**—Prerequisites: one year of botany or zoology, or equivalent, and college algebra. 4 s.h.  
ASSISTANT PROFESSOR PERRY
203. **Plant Cytology.**—Prerequisite: two years of botany. 4 s.h.  
DR. ANDERSON
204. **Advanced Plant Anatomy.**—Prerequisite: Botany 55 or equivalent. 4 s.h.  
ASSISTANT PROFESSOR ADDOMS  
[Not offered in 1940-41]
216. **Botanical Microtechnique.**—Prerequisite: two semesters of botany. 4 s.h.  
DR. ANDERSON  
[Not offered in 1940-41]
221. **Structure and Classification of Fungi.**—Prerequisite: two semesters of botany. 4 s.h.  
PROFESSOR WOLF
- 225, 226. **Special Problems.**—
- a. **Bacteriology, Mycology and Plant Pathology.** PROFESSOR WOLF
- b. **Cytology.** DR. ANDERSON
- c. **Ecology.** ASSISTANT PROFESSOR OOSTING
- d. **Genetics.** ASSISTANT PROFESSOR PERRY
- e. **Morphology and Anatomy of Higher Groups.**  
ASSOCIATE PROFESSOR HARRAR, ASSISTANT  
PROFESSORS ADDOMS AND OOSTING
- f. **Morphology and Taxonomy of Lower Groups.**  
PROFESSOR BLOMQUIST AND DR. ANDERSON
- g. **Physiology.**  
ASSOCIATE PROFESSOR KRAMER AND ASSISTANT PROFESSOR ADDOMS
- h. **Plant Microchemistry.** ASSISTANT PROFESSOR ADDOMS
- i. **Taxonomy of Higher Groups.** PROFESSOR BLOMQUIST
252. **Advanced Plant Physiology.**—Prerequisite: Botany 151, or equivalent; organic chemistry recommended. 4 s.h.  
ASSOCIATE PROFESSOR KRAMER
255. **Advanced Taxonomy.**—Prerequisite: two years of botany, including Botany 52, or equivalent. 4 s.h.  
PROFESSOR BLOMQUIST
256. **Field Ecology.**—Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h.  
ASSISTANT PROFESSOR OOSTING

## FOREST BOTANY

224. **Forest Pathology.**—Prerequisites: Botany 1, 2, 3 or 4 s.h.  
PROFESSOR WOLF
- 253-254. **Dendrology.**—Prerequisite: one year of botany. 4 s.h.  
ASSOCIATE PROFESSOR HARRAR
- Related courses which may be counted toward a major in Botany.
- Zoology 110. **Introduction to Genetics.**—2 s.h. DR. JOHNSON

## DEPARTMENTAL MAJOR

*Prerequisites:* Botany 1 and 2.

*Major Requirements:* A minimum of twenty-one hours of work including courses 52, 55, and 104. The remaining hours may be selected from any other courses in the Department for which the student is eligible, subject to the approval of the Departmental Adviser.

## DEPARTMENTAL HONORS PROGRAM

I. *Prerequisites:* Botany 1-2. A year course in each of three other sciences acceptable to the Departmental Committee. Some of these may be taken concurrently with the Honors work.

II. *Honors Work:*

## a. Botany.

1. Scheduled courses. At least 5 courses (18-20 semester-hours) beyond Botany 1-2.

2. Reading Courses and Problems, chiefly in the Senior year. Nine semester-hours. In addition to scheduled courses, each Honors student will take reading courses in such fields as History of Botany and Theories of Biology; or he may take reading courses in special fields; or he may undertake a special problem; or he may carry on both reading and a problem. This work will count as nine semester-hours and will extend through a year at least. The student will report to his Adviser regularly for conference on this work. He may be asked to prepare written reports on the reading courses, and he must make a report on his problem.

## b. Philosophy—6 semester-hours.

c. Electives in Botany or in other departments, subject to the approval of the Departmental Committee.

III. *General Honors Examination:* In the spring semester of the Senior year, each student must pass a general examination on the entire field of his Honors work. The Examining Committee consists of the Departmental Committee and such Advisers as have been concerned with his Honors work. The student must present a written report upon his problem and such written reports upon his reading as may be required, before he is permitted to take the general examination.

## CHEMISTRY

PROFESSOR GROSS, CHAIRMAN; PROFESSOR VOSBURGH, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION;  
PROFESSOR LONDON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER AND SAYLOR; DRs. BRADSHER, BROWN, HILL,  
AND HOBBS; AND ASSISTANTS

## 1-2. General Inorganic Chemistry.—8 s.h.

PROFESSOR WILSON AND DR. HILL WITH PROFESSOR GROSS; ASSISTANT PROFESSOR SAYLOR; DRs. BRADSHER, BROWN, AND HOBBS;  
AND ASSISTANTS

61. Qualitative Analysis.—Prerequisites: Chemistry 1-2 and algebra. 4 s.h.  
PROFESSOR VOSBURGH; ASSISTANT PROFESSOR SAYLOR;  
DR. HOBBS; AND ASSISTANTS70. Quantitative Analysis.—Prerequisite: Chemistry 61. 4 s.h.  
PROFESSOR VOSBURGH; ASSISTANT PROFESSOR SAYLOR;  
DR. HOBBS; AND ASSISTANTS

## 131-132. Advanced Quantitative Analysis.—Prerequisites: Chemistry 70 and Physics 51-52 or equivalent. 4 s.h.

PROFESSOR VOSBURGH, ASSOCIATE PROFESSOR BIGELOW,  
AND ASSISTANT PROFESSOR SAYLOR

151-152. **Organic Chemistry.**—Prerequisites: Chemistry 61 and 70. Course 151 is prerequisite for 152. 8 s.h.

ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSOR HAUSER;  
DRS. BRADSHER AND BROWN; AND ASSISTANTS

153-154. **Intermediate Chemistry Laboratory.**—2 or 4 s.h.

PROFESSOR VOSBURGH AND OTHER MEMBERS OF THE STAFF

173-174. **Honors Seminar.**—Required of all candidates for Honors in chemistry in both Junior and Senior years. 2 s.h. PROFESSOR VOSBURGH

215-216. **Advanced Inorganic Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214 and ability to read German are desirable. 6 s.h.

PROFESSOR VOSBURGH AND DR. HILL

[Not offered in 1940-41]

241. **Physiological Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. 4 s.h.

PROFESSOR WILSON AND ASSISTANT

242. **Metabolism.**—4 s.h.

PROFESSOR WILSON AND ASSISTANT

253-254. **Advanced Organic Chemistry.**—Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. 8 s.h.

ASSOCIATE PROFESSOR BIGELOW, ASSISTANT PROFESSOR  
HAUSER, AND DR. BROWN

261-262. **Physical Chemistry.**—Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent and Mathematics 7-8 or equivalent. Calculus is desirable but is not required. 6 s.h.

PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR AND DR. HOBBS

271. **Introduction to Research.**—1 s.h.

PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR BIGELOW  
[Not offered in 1940-41]

273-274. **Seminar.**—Required of all graduate students in chemistry. 2 s.h.

PROFESSORS GROSS, VOSBURGH; ASSOCIATE PROFESSOR BIGELOW;  
ASSISTANT PROFESSORS HAUSER AND SAYLOR;  
DRS. BRADSHER, BROWN, HILL AND HOBBS

275-276. **Research.**—3 or 6 s.h.

PROFESSORS GROSS, LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR  
BIGELOW; ASSISTANT PROFESSORS HAUSER AND SAYLOR;  
DRS. BRADSHER, BROWN, HILL AND HOBBS

#### DEPARTMENTAL MAJOR

A. For the degree of A.B.

*Prerequisites:* Chemistry 1-2, Mathematics 7-8 (or equivalent).

*Major Requirements:* Chemistry 61-70, 151-152 and 261-262. With the permission of the Department other chemistry courses giving a total of not less than 6 s.h. credit may be substituted for Chemistry 261-262.

B. For the degree of B.S.

*Prerequisites:* Chemistry 1-2, Mathematics 7-50 (or equivalent).

*Major Requirements:* Chemistry 61-70, 131-132, 151-152, 153-154, 261-262. The required work in the Science Division must include Mathematics 51-52 and Physics 51-52 (or equivalent).

**DEPARTMENTAL HONORS PROGRAM**

Prerequisites: Chemistry 61-70; Mathematics, 6 s.h., and Physics 1-2 or 51-52 or equivalent.

Honors Program: Chemistry 131-132, 151-152, 153-154, 173-174, 261-262, and 275-276; Mathematics through integral calculus; Physics, 6 s.h., normally course 59-60; electives, subject to the approval of the Departmental Honors Committee, 20 s.h. (or enough to satisfy the requirements for graduation).

Chemistry 153-154 is a special laboratory course in which there is individual attention to and supervision of the experimental project of each student.

Chemistry 173-174 is a seminar primarily for Honors students of both Junior and Senior years. The purpose is to give practice in the use of chemical literature and the oral presentation of assigned topics.

In Chemistry 275-276 an experimental research project is carried out under the direction of a member of the Staff, the object being to gain acquaintance with the aims and methods of research. A written report on the research is required.

A general examination in chemistry is given at the end of both Junior and Senior years.

**ECONOMICS AND BUSINESS ADMINISTRATION**

PROFESSOR HOOVER, CHAIRMAN; ASSOCIATE PROFESSOR DE VYVER, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSORS HAMILTON, SPENGLER, AND VON BECK-ERATH; ASSOCIATE PROFESSOR RATCHFORD; ASSISTANT PROFESSORS BLACK, EITEMAN, LONDON, LEMERT, LESTER, SHIELDS, SMITH, AND SPRINGER; DR. BERRY, DELAPLANE, KEECH, AND WELFLING; MESSRS. HAVENS AND WHITMAN

**ECONOMICS**

51-52. Principles of Economics.—6 s.h. (E & W)

PROFESSOR SPENGLER; ASSISTANT PROFESSORS EITEMAN, LONDON, LESTER, AND SMITH; DR. BERRY, DELAPLANE AND WELFLING; MR. WHITMAN

103. Transportation.—Collateral reading and the preparation of papers are required. 3 s.h. ASSISTANT PROFESSOR LONDON

107. Conservation.—3 s.h. ASSISTANT PROFESSOR LEMERT

138. Business Statistics.—3 s.h. ASSISTANT PROFESSOR SPRINGER

143. Corporation Finance.—Required of Juniors in the Business Administration Group. 3 s.h.

ASSOCIATE PROFESSOR RATCHFORD, ASSISTANT PROFESSORS EITEMAN AND SMITH, AND DR. DELAPLANE

144. Investments.—Prerequisite: Economics 57-58 and 143. 3 s.h.

ASSISTANT PROFESSOR EITEMAN AND DR. DELAPLANE

153-154. Money, Banking, and Credit.—6 s.h.

PROFESSOR GLASSON, ASSOCIATE PROFESSOR RATCHFORD, ASSISTANT PROFESSOR LESTER, AND DR. WELFLING

169. Economics of Consumption.—3 s.h. ASSISTANT PROFESSOR SMITH

187. Public Finance.—3 s.h. ASSOCIATE PROFESSOR RATCHFORD

217. Population Problems and the Standard of Living.—3 s.h.

PROFESSOR SPENGLER

218. Business Cycles.—3 s.h. ASSISTANT PROFESSOR LESTER
230. Public Debts in the United States.—Prerequisite: Economics 187 or equivalent. 3 s.h. ASSOCIATE PROFESSOR RATCHFORD
231. The Economic History of Modern Europe.—3 s.h. PROFESSOR HAMILTON
232. The Economic History of the United States.—3 s.h. PROFESSOR HAMILTON
233. State and Local Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h. ASSOCIATE PROFESSOR RATCHFORD
234. Federal Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h. ASSOCIATE PROFESSOR RATCHFORD
- 237-238. Statistical Methods.—Prerequisite: Economics 138 or consent of the instructor. 6 s.h. ASSISTANT PROFESSOR SPRINGER
239. Prices.—3 s.h. PROFESSOR HAMILTON
- 241-242. Value and Distribution.—6 s.h. PROFESSOR SPENGLER
- 245-246. Problems of Modern Industrialism.—6 s.h. PROFESSOR VON BECKERATH
253. Labor Problems.—3 s.h. ASSOCIATE PROFESSOR DE VYVER
256. Labor Legislation.—Prerequisite: Economics 253, or with the consent of the instructor. 3 s.h. ASSOCIATE PROFESSOR DE VYVER  
[Not offered in 1940-41]
260. Social Insurance.—3 s.h. ASSOCIATE PROFESSOR DE VYVER
265. International Trade and Tariff Policies.—3 s.h. PROFESSOR VON BECKERATH
266. International Finance.—3 s.h. PROFESSOR HAMILTON
268. Competitive versus Monopolistic Enterprise.—3 s.h. PROFESSOR VON BECKERATH
280. Advanced Economic Problems.—3 s.h. DR. WELFLING  
Required of all Seniors majoring in Economics.

#### BUSINESS ADMINISTRATION

##### A. ACCOUNTANCY

- 57-58. Principles of Accounting.—6 s.h. ASSISTANT PROFESSORS BLACK AND SHIELDS; ASSOCIATE PROFESSOR DE VYVER; DR. KEECH; MESSRS. HAVENS AND WHITMAN
- 171-172. Advanced Accounting.—6 s.h. ASSISTANT PROFESSOR SHIELDS
- 173-174. Auditing, Theory and Practice.—Prerequisite: Economics 171-172, and permission of the instructor. 6 s.h. ASSISTANT PROFESSOR BLACK
- 175-176. C. P. A. Review.—Prerequisite: Economics 171-172, and permission of the instructor. 6 s.h. ASSISTANT PROFESSOR BLACK  
[Not offered in 1940-41]







## (5) Additional work in the Department.

Twenty-four semester-hours of work in the Department is a minimum for a major in Economics. According to the general University regulations, however, majors may take additional work in the subdepartments (Accounting and Commerce and Industry) not to exceed a total in the Department and subdepartments of fifty-four semester-hours.

**DEPARTMENTAL HONORS PROGRAM**

(a) Prerequisite: The minimum requirement for admission to Honors in economics is the completion of Economics 51-52 and Political Science 61-62, with at least a grade of "B."

## (b) Honors Readings:

1. *History of Economic Thought*: A consideration of the principal economic writers showing the development of modern economic thought.

DR. WELFLING

2. *Social Economics*: The problems of social adjustment to modern economic institutions.

ASSOCIATE PROFESSOR DE VYVER

3. *American Economic Organization*: The development and operation of the institutions of modern American capitalism.

ASSOCIATE PROFESSOR DE VYVER

(c) One or two Honors Readings in political science must be taken by all Honors candidates in economics.

(d) Thesis: A thesis is required for each Honors candidate. This is normally to be done during the Senior year and is due by May 15.

(e) Course work to complete a minimum of 60 hours for the Junior and Senior year is required. This will require 27 or 33 hours of course work depending upon whether the student elects one or two Honors readings in political science.

(f) Examinations: An oral or written examination will be given at the conclusion of each reading in economics and political science and a general oral and written examination will be given at the end of the Senior year.

**EDUCATION**

PROFESSOR HOLTON, CHAIRMAN; PROFESSOR PROCTOR, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR EASLEY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BROWNELL, CARR, AND CHILDS; ASSOCIATE PROFESSOR SCATES; DR. WATSON; MESSRS. DOTY (PART-TIME), OSTWALT (PART-TIME); AND MRS. SMITH; AND ASSISTANTS

## 1. Orientation Course in Study and Study Habits.—3 s.h.

ASSISTANT PROFESSOR EASLEY AND DR. WATSON

## 4 Introductory Course in History of Education.—3 s.h.

ASSOCIATE PROFESSOR SCATES AND MR. OSTWALT

## 8. The Learning Process.—3 s.h.

PROFESSORS BROWNELL AND CHILDS; ASSISTANT PROFESSOR EASLEY; DR. WATSON; MESSRS. DOTY AND OSTWALT

## 54. Introductory Course in History of Education.—3 s.h.

PROFESSORS HOLTON AND CARR

## 58. The Learning Process.—3 s.h.

ASSISTANT PROFESSOR EASLEY

## 68. Mental Hygiene of the School Child.—3 s.h.

ASSISTANT PROFESSOR EASLEY

83. Current Trends in American Public School Organization.—3 s.h.  
PROFESSOR PROCTOR
101. Introduction to Teaching.—3 s.h.  
PROFESSOR CARR
103. School Organization and Administration for the Classroom Teacher.—  
3 s.h. PROFESSOR PROCTOR
104. History of Education in the United States.—3 s.h.  
ASSOCIATE PROFESSOR SCATES
105. Introduction to Educational Sociology.—3 s.h. PROFESSOR CHILDS
112. Methods of Teaching and Presentation of Subject Matter in the  
Primary Schools.—Prerequisite: course 101. 4 s.h. PROFESSOR CARR  
[Not offered in 1940-41, unless as many as eight students enroll.]
- A. Integrated Art in the Public School. MRS. MASON  
[Not offered 1940-41, unless as many as eight students enroll.]
- B. Industrial Art in the Public School. MRS. MASON  
[Not offered 1940-41, unless as many as eight students enroll.]
- 115-116. Secondary Education: Principles and Practice.—6 or 8 s.h.  
PROFESSOR CHILDS AND ASSISTANTS
118. Educational Implications of Genetic Psychology.—3 s.h.  
PROFESSOR BROWNELL
122. Methods of Teaching and Presentation of Subject Matter in the  
Grammar Grades.—Prerequisite: Course 101. 4 s.h. PROFESSOR CARR
131. Observation and Practice-Teaching.—1 s.h. PROFESSOR CARR
132. Materials and Methods in Health Education.—3 s.h.  
ASSISTANT PROFESSOR AYCOCK
136. The Teaching of High-School English.—3 s.h.  
ASSISTANT PROFESSOR JORDAN
142. Children's Literature.—3 s.h. PROFESSOR CARR
155. The Teaching of Secondary School Latin.—3 s.h.  
ASSISTANT PROFESSOR GATES
158. Educational Measurements.—3 s.h. ASSOCIATE PROFESSOR SCATES
170. The Social and Economic Position of Women.—2 s.h. MRS. SMITH
176. Materials and Methods in High-School Science.—Prerequisite: at  
least eighteen hours of science in college. 3 s.h. PROFESSOR CHILDS  
[Not offered in 1940-41]
200. Introduction to the Philosophy of Education.—3 s.h.  
PROFESSOR HOLTON
203. Principles of School Administration.—Prerequisite: six semester-  
hours of courses 103 and 58 or their equivalent. 3 s.h. PROFESSOR PROCTOR
205. Curriculum Problems in Secondary Education.—3 s.h.  
PROFESSOR CHILDS
206. Sociological Foundations of the Secondary School Subjects.—Pre-  
requisite: general sociology or approved work in education, including course  
105. 3 s.h. PROFESSOR CHILDS

207. **Technique of Teaching.**—3 s.h. PROFESSOR CARR  
[Not offered in 1940-41]
208. **Mental Tests and Applications.**—Prerequisite: course 258 or six semester-hours of other work in educational psychology or psychology. 3 s.h. ASSISTANT PROFESSOR EASLEY
209. **Statistical Methods Applied to Education.**—2 s.h. ASSOCIATE PROFESSOR SCATES
212. **Psychology of the Elementary School Subjects.**—3 s.h. PROFESSOR CARR
214. **History of Education in the United States.**—3 s.h. PROFESSOR HOLTON  
[Not offered in 1940-41]
216. **Psychological Principles of Secondary Education.**—3 s.h. PROFESSOR CHILDS  
[Not offered in 1940-41]
217. **Advanced Educational Psychology.**—3 s.h. ASSISTANT PROFESSOR EASLEY
218. **Educational Implications of Genetic Psychology.**—Prerequisite: six semester-hours of psychology or educational psychology. 3 s.h. PROFESSOR BROWNELL  
[Not offered in 1940-41]
219. **Experimental Education.**—3 s.h. PROFESSOR BROWNELL  
[Not offered in 1940-41]
222. **The Curriculum and Materials of the Elementary Grades.**—3 s.h. PROFESSOR CARR  
[Not offered in 1940-41]
225. **The Teaching of History and the Social Studies.**—3 s.h. ASSISTANT PROFESSOR MANCHESTER
227. **The Psychology of Learning: Problems.**—3 s.h. ASSISTANT PROFESSOR EASLEY
228. **The Psychology of Learning: Theoretical and Experimental.** Prerequisite: course 227 or its equivalent. 3 s.h. ASSISTANT PROFESSOR EASLEY
232. **Elementary School Supervision.**—3 s.h. PROFESSOR CARR  
[Not offered in 1940-41]
233. **Administrative Pupil-Accounting.**—3 s.h. PROFESSOR PROCTOR
234. **Secondary School Organization and Administration.**—3 s.h. PROFESSOR PROCTOR
237. **Investigations in Reading.**—3 s.h. PROFESSOR CARR
244. **Studies in the Historical Development of Public School Administration.**—3 s.h. PROFESSOR HOLTON  
[Not offered in 1940-41]
246. **The Teaching of Mathematics.**—3 s.h. PROFESSOR RANKIN  
[Not offered unless enrollment justifies.]
247. **Investigations in Arithmetic.**—3 s.h. PROFESSOR BROWNELL  
[Not offered in 1940-41]
253. **Legal Phases of School Administration.**—3 s.h. PROFESSOR HOLTON  
[Not offered in 1940-41]

254. History of Secondary Education in the United States.—3 s.h.  
[Not offered in 1940-41] PROFESSOR PROCTOR

258. Educational Measurements.—Prerequisite: twelve semester-hours in the Department, including a course in educational psychology. 3 s.h.  
ASSOCIATE PROFESSOR SCATES

264. Recent Movements in American Education.—3 s.h.  
[Not offered in 1940-41] PROFESSOR HOLTON

266. The Teaching of High-School French.—3 s.h. PROFESSOR WEBB

294. Comparative Education: Recent Movements in European Educational Systems.—3 s.h. PROFESSOR CARR

#### DEPARTMENTAL MAJOR

A major in the Department of Education consists of twenty-four semester-hours of work above the Freshman year, not including any work listed as primarily for Freshmen, and including at least six semester-hours of courses limited to Seniors or to Seniors and Graduates. Students, however, who obtain credit for courses 4 and 8 will be permitted to complete a major by taking twenty hours of additional work in the Department, provided twelve hours are courses limited to Seniors or to Seniors and Graduates. Before graduation, majors in the Department must have credit for at least one course in educational psychology, such as 8, 58, or 68, and one course in history and philosophy of education, or in educational sociology. The remainder of their work may be elected from courses listed for Sophomores, Juniors, and Seniors, provided at least six semester-hours of the course work are taken from courses listed for Seniors and Graduates, and provided that not more than six semester-hours may be of courses numbered below 100.

#### DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in education who have passed with grade of "B" or better in their Freshman or Sophomore years six semester-hours of education.

Candidates for Honors in education are required to take in the Junior year twelve semester-hours in the Department and to make an average of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of twelve semester-hours of supervised reading in education, the candidate must elect with the approval of the Departmental Committee on Honors six semester-hours of work from the courses in education offered in the 200 group, on which he is required to make a grade of "B" or better and twelve semester-hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester-hours shall be devoted to the History of Education; the remaining six semester-hours shall be devoted to Educational Psychology, or Secondary Education, or Elementary Education, or Public School Administration as the student may elect and the Departmental Committee approve. In exceptional cases, qualified students may be permitted to take six semester-hours of the supervised reading during the Junior year and increase the amount of course work in the Department the Senior year.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

## ENGLISH

PROFESSOR BROWN, CHAIRMAN; PROFESSOR GREENE, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR SANDERS, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BAUM, GILBERT, GOHDES, HUBBELL, IRVING, AND WHITE; ASSOCIATE PROFESSORS BLACKBURN, PATTON, AND MITCHELL; ASSISTANT PROFESSORS ALLEN, ANDERSON, HERRING, JORDAN, SUGDEN, VANCE, WARD, WEST, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. DOWLING, FITZGERALD, LEWIS, MARTIN, AND BRICE

## COMPOSITION

## 1-2. English Composition.—6 s.h.

PROFESSOR IRVING; ASSOCIATE PROFESSORS BLACKBURN AND PATTON; ASSISTANT PROFESSORS ALLEN, ANDERSON, SANDERS, SUGDEN, VANCE, WARD, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. DOWLING, FITZGERALD, MARTIN, AND BRICE

## 53. English Composition.—3 s.h.

ASSISTANT PROFESSOR JORDAN

## 54. Composition.—3 s.h.

ASSISTANT PROFESSOR JORDAN

## 65-66. Approaches to Imaginative Writing.—6 s.h.

ASSISTANT PROFESSOR SANDERS AND DR. CARPENTER

## 101-102. Composition.—6 s.h.

ASSOCIATE PROFESSOR MITCHELL

## 103-104. Composition.—6 s.h.

ASSOCIATE PROFESSOR BLACKBURN

## 107-108. Journalism.

ASSISTANT PROFESSOR SUGDEN

## 133-134. Verse-Writing.

PROFESSOR WHITE

## DRAMATICS AND SPEECH

## 105-106. Play Writing.—6 s.h.

ASSISTANT PROFESSOR WEST

## 119-120. History of the Theater.—6 s.h.

ASSISTANT PROFESSOR WEST

## 121-122. Play Production.—6 s.h.

ASSISTANT PROFESSOR WEST

## 139-140. The Speaking Voice.—6 s.h.

ASSISTANT PROFESSOR WEST

## FOR SOPHOMORES, JUNIORS, AND SENIORS

## 151. Speech.—3 s.h.

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

## 152. Argumentation.—Prerequisite: English 151. 3 s.h.

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

## ENGLISH AND AMERICAN LITERATURE AND LANGUAGE

## 55-56. Representative Writers.—6 s.h.

PROFESSOR IRVING, ASSOCIATE PROFESSOR BLACKBURN, ASSISTANT PROFESSORS SANDERS, SUGDEN, VANCE, WARD, AND DR. POTEAT

## 63-64. A Survey of English Poetry.—6 s.h.

ASSOCIATE PROFESSOR MITCHELL

## 123-124. Shakespeare.—6 s.h.

PROFESSOR BROWN



- 125-126. English Literature, 1789-1832.—6 s.h.  
 PROFESSOR WHITE, ASSOCIATE PROFESSOR PATTON,  
 AND ASSISTANT PROFESSOR WHITE
- 127-128. English Prose Literature, 1832-1900.—6 s.h. PROFESSOR GREENE
- 129-130. The History of the Novel in England.—6 s.h.  
 ASSOCIATE PROFESSOR MITCHELL AND ASSISTANT PROFESSOR VANCE
- 133-134. Verse-Writing.—3 s.h. PROFESSOR WHITE
- 137-138. American Literature.—6 s.h.  
 PROFESSORS HUBBELL AND GOHDES AND ASSISTANT PROFESSOR ANDERSON
142. Materials and Methods in High-School English.—3 s.h.  
 ASSISTANT PROFESSOR JORDAN
- 145-146. English Poetry, 1832-1900.—6 s.h. ASSISTANT PROFESSOR SANDERS
- 147-148. Contemporary Poetry.—6 s.h. ASSISTANT PROFESSOR ANDERSON  
 [Not offered in 1940-41]
- 153-154. Comparative Literature.—6 s.h. PROFESSOR IRVING  
 [Not offered in 1940-41]
- 155-156. Contemporary Drama.—6 s.h. ASSISTANT PROFESSOR WHITE
- 157-158. Contemporary British and American Fiction.—6 s.h.  
 ASSISTANT PROFESSOR ANDERSON
- 159-160. English Literary Biography.—6 s.h. PROFESSOR WHITE
- 161-162. The History of the English Language. PROFESSOR GREENE

## FOR SENIORS AND GRADUATES

- 201-202. Anglo-Saxon.—6 s.h. PROFESSOR BROWN
- 203-204. Chaucer.—6 s.h. PROFESSOR BAUM  
 [Only 203 offered 1940-41]
- 207-208. English Literature, 1400-1550.—6 s.h. PROFESSOR BAUM  
 [Not offered in 1940-41]
- 209-210. English Literature, 1625-1700.—6 s.h. ASSISTANT PROFESSOR WARD
- 211-212. Nondramatic English Literature, 1550-1625.—3 s.h.  
 ASSISTANT PROFESSOR ALLEN
- 213-214. Folk-Lore and Folk-Songs.—6 s.h. PROFESSOR BROWN
- 215-216. Elizabethan Drama.—6 s.h. ASSISTANT PROFESSOR ALLEN  
 [Not offered in 1940-41]
217. Spenser.—3 s.h. PROFESSOR ALLEN  
 [In 1940-1941 English 217 is offered during the spring semester.]
218. Milton.—3 s.h. PROFESSOR GILBERT  
 [In 1940-1941 English 218 is offered during the fall semester.]
- 219-220. English Literature of the Eighteenth Century.—6 s.h.  
 PROFESSOR IRVING
- 227-228. Literary Criticism.—6 s.h. PROFESSOR GILBERT  
 [Only 227 offered in 1940-41]



- 229-230. American Literature, 1800-1870.—6 s.h.  
 PROFESSOR HUBBELL AND ASSISTANT PROFESSOR ANDERSON
- 231-232. Special Studies in American Authors.—6 s.h. PROFESSOR GOHDES  
 [Not offered in 1940-41]
- 233-234. American Literature since 1870.—6 s.h.  
 PROFESSOR GOHDES AND ASSISTANT PROFESSOR ANDERSON
- 239-240. Shakespeare Problems.—6 s.h. PROFESSOR BROWN  
 [Not offered in 1940-41]
269. Southern Literature and Culture.—3 s.h. PROFESSOR HUBBELL

#### DEPARTMENTAL MAJOR

*Prerequisites:* English 1 and 2.

*Requirements for the Major:* A major in English consists of twenty-four semester-hours of credit distributed as follows: six hours must be earned in English 55-56 or in English 63-64 and *eighteen* hours credit in courses in English and American literature of the 100 or 200 group.

#### DEPARTMENTAL HONORS PROGRAM

(a) Prerequisite: The minimum requirement for admission to Honors in English is the completion of a Sophomore course in English literature on which the student makes at least a grade of "B."

(b) Honors Readings:

(1) *The Elizabethan Period and the First Half of the Seventeenth Century.*—The Bible; Shakespeare and Elizabethan drama; Spenser; Donne; Bacon and other writers of prose.

PROFESSOR IRVING AND ASSISTANT PROFESSOR WARD

(2) *English Literature from the Restoration to the Death of Pope.*—Milton; Dryden; the Comedy of Manners; Swift; Defoe; Addison and Steele; Pope.

PROFESSOR IRVING AND ASSISTANT PROFESSOR WARD

(3) *English Literature, 1744-1832.*—Fielding; Johnson; Wordsworth; Byron; Shelley; Keats; Lamb; Hazlitt.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON

(4) *English Literature, 1832-1900.*—Carlyle; Tennyson; Browning; Arnold (poetry and prose); Ruskin; Morris; Pater.

ASSOCIATE PROFESSORS BLACKBURN AND PATTON

(c) Two year-courses in the Department of English (under certain conditions work in related departments may be substituted for this requirement).

(d) Four year-courses in related departments.

(e) General Honors Examinations: Four comprehensive written examinations and a supplementary oral examination are held at the end of the Senior year to test the student's knowledge of the four periods of English literature studied. Students may substitute for one of the written examinations a special thesis on a topic correlating English literature with a related field of knowledge or on any other approved topic.

#### FINE ARTS

ASSISTANT PROFESSOR McDONALD, CHAIRMAN; ASSISTANT PROFESSOR HALL,  
 DIRECTOR OF UNDERGRADUATE STUDIES; DR. SUNDERLAND

1-2. History of Art.—6 s.h.

1, ASSISTANT PROFESSOR McDONALD; 2, ASSISTANT PROFESSOR HALL

51-52. History of Art.—6 s.h.

51, ASSISTANT PROFESSOR HALL; 52, ASSISTANT PROFESSOR McDONALD

- 53-54. Theory of Representation and Design.—6 s.h. DR. SUNDERLAND
93. American Painting and Sculpture.—3 s.h. DR. SUNDERLAND  
[Not offered in 1940-41]
95. Art of the Near and Middle East.—3 s.h.  
ASSISTANT PROFESSOR McDONALD
97. Art of the Far East.—3 s.h. ASSISTANT PROFESSOR McDONALD  
[Not offered in 1940-41]
101. Medieval Architecture.—3 s.h. DR. SUNDERLAND
102. Medieval Art.—3 s.h. ASSISTANT PROFESSOR McDONALD
103. Renaissance and Baroque Architecture: Italy.—3 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR HALL
104. Renaissance and Baroque Architecture: Spain and the North.—3 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR HALL
105. European Architecture since 1700.—3 s.h. ASSISTANT PROFESSOR HALL
106. Architecture of the Americas.—3 s.h. ASSISTANT PROFESSOR HALL
107. Renaissance Painting and Sculpture.—3 s.h. DR. SUNDERLAND
108. Renaissance Painting and Sculpture: The North.—3 s.h.  
DR. SUNDERLAND
109. Seventeenth-Century Painting.—3 s.h. DR. SUNDERLAND
110. Painting and Sculpture since 1700.—3 s.h. DR. SUNDERLAND  
[Not offered in 1940-41]
120. English Architecture.—3 s.h. ASSISTANT PROFESSOR HALL  
[Not offered in 1940-41]

## COURSES OFFERED IN OTHER DEPARTMENTS ACCREDITED IN THIS DEPARTMENT

Greek 141-142. Greek Art.

Greek 247-248. Greek Archaeology.

Latin 115. Architecture of Ancient Rome.

Latin 215. Introduction to Roman Art and Archaeology.

Latin 216. Topography and Monuments of Ancient Rome.

Philosophy 201-202. The Philosophy of Art.

Philosophy 213-214. History of Aesthetics.

Psychology 202. Psychology of Aesthetics.

## DEPARTMENTAL MAJOR

*Prerequisites:* 1-2 or 51-52.

*Major Requirements:* 53-54, and eighteen hours in courses chosen from the departmental offerings, or from courses in other departments accredited in this Department.

## FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN; PROFESSORS BEAL, SCHUMACHER, WACKERMAN,  
AND WOLF; ASSOCIATE PROFESSORS HARRAR, MAUGHAN, AND  
THOMSON; ASSISTANT PROFESSOR COILE

52. Principles of Forestry.—2 s.h. ASSOCIATE PROFESSOR THOMSON

S150. Forest Surveying.—Prerequisites: Civil Engineering S110, Plane  
Surveying, or equivalent. 6 s.h. ASSOCIATE PROFESSOR MAUGHAN

1511. Forest Mensuration.—4 s.h. PROFESSOR SCHUMACHER
211. Harvesting Forest Products.—3 s.h. PROFESSOR WACKERMAN
212. Forest Products Industries.—Prerequisite: Forest 211 or equivalent.  
3 s.h. PROFESSOR WACKERMAN
224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253-  
254, or equivalents. 4 s.h. PROFESSOR WOLF
231. Forest Entomology.—3 s.h. PROFESSOR BEAL
251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. 2 s.h.  
PROFESSOR SCHUMACHER
252. Forest Mensuration.—Prerequisite: Forestry 251. 2 s.h.  
PROFESSOR SCHUMACHER
- 253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.  
ASSOCIATE PROFESSOR HARRAR
257. Design of Forestry Experiments and Analysis of Data.—5 s.h.  
PROFESSOR SCHUMACHER
259. Wood Anatomy and Properties.—Prerequisites: one year of Botany  
and Chemistry 1 and 2, or equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR
260. Timber Mechanics.—Prerequisites: Physics 1 and Forestry 259, or  
equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR
261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or  
equivalents. 3 s.h. ASSISTANT PROFESSOR COILE
264. Silvics.—Desirable prerequisites: Plant physiology, plant ecology,  
and Forestry 253-254 and 261, or equivalents. 3 s.h. PROFESSOR KORSTIAN
266. Forest Seeding and Planting.—2 s.h. PROFESSOR KORSTIAN
273. Forest Protection.—2 s.h. ASSOCIATE PROFESSOR THOMSON
276. Forest Policy.—2 s.h. ASSOCIATE PROFESSOR THOMSON
279. Economics of Forestry.—Prerequisite: at least one course in the  
principles of economics. 3 s.h. ASSOCIATE PROFESSOR THOMSON

## GEOLOGY

ASSOCIATE PROFESSOR BERRY

51. General Geology.—4 s.h. ASSOCIATE PROFESSOR BERRY
52. General Geology.—Prerequisite: Geology 51. 4 s.h.  
ASSOCIATE PROFESSOR BERRY
- 101-102. Mineralogy.—Prerequisite: Chemistry 1-2 (can be taken con-  
currently). 8 s.h. ASSOCIATE PROFESSOR BERRY
151. Economic Geology.—Prerequisite: Geology 101-102. 4 s.h.  
ASSOCIATE PROFESSOR BERRY
152. Introductory Paleontology.—Prerequisites: Geology 51, 52 and Zool-  
ogy 1. 4 s.h. ASSOCIATE PROFESSOR BERRY

## DEPARTMENTAL MAJOR

*Prerequisites:* None for Geology 51. Chemistry 1-2 for Geology 101-102;  
Zoology 1 for Geology 152.

*Major Requirements:* Geology 51, 52, 101-102, 151, 152.

## GERMAN LANGUAGE AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN; ASSISTANT PROFESSOR MAXWELL, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS KRUMMEL AND WANNAMAKER; DR. SHEARS; MR. YOUNG

- 1-2. Elementary German.—6 s.h. ASSISTANT PROFESSOR WILSON AND STAFF
- 3-4. Intermediate German.—6 s.h. PROFESSOR KRUMMEL AND STAFF
- 51-52. German Civilization.—6 s.h.
- 101-102. Elementary German.—6 s.h.
- 103-104. Intermediate German.—6 s.h.
107. Scientific German.—3 s.h.  
PROFESSOR WANNAMAKER AND ASSISTANT PROFESSOR MAXWELL
108. Advanced Scientific and Medical German.—3 s.h.  
PROFESSOR WANNAMAKER AND ASSISTANT PROFESSOR MAXWELL
- 109-110. German Prose Fiction.—6 s.h. PROFESSOR KRUMMEL
- 111-112. Introduction to the Classic Drama.—6 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR WILSON
- 113-114. Nineteenth-Century German Poetry.—6 s.h.  
ASSISTANT PROFESSOR WILSON
- 115-116. German Drama of the Nineteenth Century.—6 s.h.  
[Not offered in 1940-41] PROFESSOR KRUMMEL
- 119-120. Nibelungenlied to the Twentieth Century.—6 s.h.  
[Cannot be taken for foreign language credit.] PROFESSOR VOLLMER
- 121-122. Schiller.—6 s.h.  
[Not offered in 1940-41] PROFESSOR VOLLMER
- 123-124. Modern German Short Story.—6 s.h. DR. SHEARS
- 125-126. Contemporary German Literature.—6 s.h. DR. SHEARS  
[Not offered in 1940-41]
- 127-128. Survey of Nineteenth-Century German Literature.—6 s.h.  
[Not offered in 1940-41] PROFESSOR VOLLMER
- 201-202. Goethe.—6 s.h. PROFESSOR KRUMMEL  
[Not offered in 1940-41]
- 207-208. German Romanticism.—6 s.h. PROFESSOR VOLLMER  
[Not offered in 1940-41]
- 209-210. Kleist, Grillparzer, and Hebbel.—6 s.h. PROFESSOR KRUMMEL
- 211-212. Heinrich Heine and Young Germany.—6 s.h. PROFESSOR VOLLMER
- 213-214. Literature of the Empire, 1871-1914.—6 s.h. PROFESSOR VOLLMER

## DEPARTMENTAL MAJOR

1. *Prerequisites:* German 1-2 and 3-4.

2. *Major Requirements:* Twenty-four hours in the German Department. Twelve of these must be selected from the 200 courses. The remaining twelve may be selected from German 51-52 and any courses in the 100 group except 101-102, 103-104 and 119-120.

## HONORS IN GERMAN

*Prerequisites:*

1. For admission to candidacy for Honors in German, a student must have begun the study of the language not later than the Freshman year in college.
2. A student who has completed at least 12 s.h. of college German by the end of the Sophomore year with a grade of "A" or "B" (equivalent courses in secondary schools or in other colleges may be presented as substitutes) is eligible to apply to the Departmental Committee for permission to read for Honors in German.

*General Rules:*

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

II. *Work in the German Department:* The amount of work taken in the German Department shall be the equivalent of thirty-six semester-hours. Of this the work done in the Honors tutorials shall count twelve hours, six hours for the Junior year and six hours for the Senior year. The comprehensive examinations at the end of the Senior year are counted as part of this twelve semester-hours credit.

III. *Related Work:* The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the Departmental Committee gives special permission for the student to take his related work in one department.

IV. *General Honors Examinations:* In May of the Senior year the candidate will be given a general written examination, conducted by his Adviser, on his Honors Reading. A general oral examination, conducted by the Departmental Committee and presupposing a general knowledge of the development of German culture and civilization and a practical ability in the use of the German language, will also be conducted in May.

## GREEK

PROFESSOR PEPLER, CHAIRMAN, AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. TRUESDALE, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT PROFESSOR WAY

1-2. Course for Beginners.—6 s.h.	DR. TRUESDALE
53-54. Xenophon.—6 s.h.	DR. TRUESDALE
105-106. Homer.—6 s.h.	PROFESSOR PEPLER AND DR. TRUESDALE
107-108. Plato.—Euripides.—6 s.h.	DR. TRUESDALE
15. Mythology.—3 s.h.	DR. TRUESDALE
115-116. Sight Reading in Greek.—4 s.h.	ASSISTANT PROFESSOR WAY AND DR. TRUESDALE
117-118. Greek Prose Composition.—3 s.h.	PROFESSOR PEPLER
121-122. Greek Literature in English Translation.—6 s.h.	PROFESSOR PEPLER
141-142. Greek Art.—6 s.h.	ASSISTANT PROFESSOR WAY
131. History of Greece.—3 s.h.	ASSISTANT PROFESSOR WAY
201-202. Greek Tragedy.—6 s.h.	PROFESSOR PEPLER
203-204. Homer; Pindar and Bacchylides.—6 s.h.	DR. TRUESDALE



205-206. Greek Historians.—6 s.h.	PROFESSOR PEPPLER
207-208. Greek Orators.—6 s.h.	ASSISTANT PROFESSOR WAY
209-210. Plato.—6 s.h.	ASSISTANT PROFESSOR WAY
211-212. Aristophanes.—6 s.h.	PROFESSOR PEPPLER
243. Athenian Topography.—3 s.h.	ASSISTANT PROFESSOR WAY
244. Greek Epigraphy.—3 s.h.	ASSISTANT PROFESSOR WAY
245. Greek Dialects.—3 s.h.	ASSISTANT PROFESSOR WAY
246. Greek Historical Inscriptions.—3 s.h.	ASSISTANT PROFESSOR WAY
247-248. Greek Archaeology.—6 s.h.	ASSISTANT PROFESSOR WAY

#### DEPARTMENTAL MAJOR

*Prerequisite:* Greek 1-2.

*Major Requirements:* A candidate for a major in Greek must complete twenty-four semester-hours, including the following courses: Greek 53-54, 105-106, 107-108, 117-118, and 131.

#### DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in Greek the student must have completed Greek 1-2 and 53-54 or their equivalent.

Candidates for Honors must complete the following program of work:

(a) Greek 105-106, 131, 141-142, 107-108, 122, and 117-118.

(b) Four year-courses in related departments.

(c) The Honors Reading. This is tutorial work in which the student is required to read assigned portions of Greek literature by himself, to write papers on topics related to his reading, and to meet the Honors Adviser in weekly conferences for the discussion of the literature that he is reading independently. For the Honors Reading a credit of nine semester-hours is given.

Students who enter the University with advanced standing in Greek take higher courses in the language than those listed above.

At the end of the Senior year candidates for Honors must pass a comprehensive examination in writing on the subject matter covered by their studies in Greek.

*Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.*

### HEALTH AND PHYSICAL EDUCATION

#### TRINITY COLLEGE

MR. WADE, DIRECTOR; MESSRS. AYCOCK, CALDWELL, CAMERON, CARD, CHAMBERS, CLARK, COOMBS, CRICHTON, FOGLEMAN, GERARD, HAGLER, LEWIS, PERSONS, STANLEY, WARREN

#### REQUIRED PHYSICAL EDUCATION FOR MEN

##### PHYSICAL EDUCATION CLASSES

1-2. Basketball.—1½ s.h.	Mr. CALDWELL
3-4. Boxing.—1½ s.h.	Mr. WARREN



5-6. Individual Corrective Activities.—1½ s.h.	MR. CHAMBERS
7-8. Handball.—1½ s.h.	MR. GERARD
9-10. Softball.—1½ s.h.	MR. STANLEY
11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Swimming.—1½ s.h.	MR. PERSONS
15-16. Touch Football.—1½ s.h.	MR. GERARD
17-18. Tennis.—1½ s.h.	MR. FOGLEMAN
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Track.—1½ s.h.	MR. LEWIS
25-26. Wrestling.—1½ s.h.	MR. WARREN
27-28. Apparatus Stunts.—1½ s.h.	MR. CARD
55-56. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
59. Baseball.—1½ s.h.	MR. COOMBS
61-62. Golf.—1½ s.h.	MR. CRICHTON AND MR. HAGLER

#### INTERCOLLEGIATE ATHLETIC SPORTS

FRESHMEN	VARSITY
30. Baseball.—1½ s.h.	70. La Crosse.—1½ s.h.
32. Basketball.—1½ s.h.	80. Baseball.—1½ s.h.
37. Football.—1½ s.h.	82. Basketball.—1½ s.h.
38. Football.—1½ s.h.	83. Basketball.—1½ s.h.
41. Cross Country.—1½ s.h.	87. Football.—1½ s.h.
42. Swimming.—1½ s.h.	88. Football.—1½ s.h.
44. Tennis.—1½ s.h.	90. Golf.—1½ s.h.
46. Track.—1½ s.h.	91. Cross Country.—1½ s.h.
48. Wrestling.—1½ s.h.	92. Tennis.—1½ s.h.
50. La Crosse.—1½ s.h.	93. Soccer Football.—1½ s.h.
	94. Swimming.—1½ s.h.
	95. Track.—1½ s.h.
	96. Track.—1½ s.h.
	98. Wrestling.—1½ s.h.

#### ELECTIVES IN PHYSICAL EDUCATION

Students in Group VI A may elect twelve semester-hours from the courses offered below. Three semester-hours may be elected from the courses listed under Special Methods in Physical Education and nine semester-hours may be elected from the courses listed under Theory and Practice in Physical Education.

These courses are arranged to meet the increasing demand for teachers who are qualified to coach and teach physical education. These courses should be selected with the advice of the Director of Undergraduate Studies in order to meet the needs of the individual.

#### SPECIAL METHODS IN PHYSICAL EDUCATION

163. Athletic Coaching in Secondary Schools.—Prerequisites: courses 30 or 80 and 21-22 or 46 or 96 or their equivalent. 3 s.h.

MR. COOMBS, MR. CHAMBERS

164. Athletic Coaching in Secondary Schools.—Prerequisites: courses 37 or 87 and 1-2 or 32 or 82 or their equivalent. 3 s.h.

MR. WADE, MR. STANLEY, MR. CAMERON

#### THEORY AND PRACTICE IN PHYSICAL EDUCATION

65. History and Principles of Physical Education.—3 s.h.

MR. AYCOCK, MR. GERARD

172. Recreational Leadership.—3 s.h.

MR. GERARD

173. Individual Gymnastics.—3 s.h.

MR. AYCOCK

182. The Administration of Health and Physical Education in Secondary Schools.—3 s.h.

MR. AYCOCK, MR. GERARD

187. School Programs of Physical Education.—3 s.h.

MR. GERARD

190. Protective Practices in Physical Education.—3 s.h.

MR. CHAMBERS

#### WOMAN'S COLLEGE

ASSISTANT PROFESSOR GROUT, CHAIRMAN;

MISS DOWLING, MISS LEWIS, MRS. ROGERS, AND MISS SMITH

#### ACTIVITIES OFFERED

*October to December:* Badminton, diving, golf, hockey, recreational sports, riding, soccer, swimming, tennis, volleyball.

*December to March:* Basketball, body mechanics, bowling, clog and tap dancing, folk dancing, social dancing, modern dance, fencing, gymnastics, individual gymnastics, life saving, riding, swimming.

*March to June:* Archery, badminton, diving, fencing, golf, modern dance, riding, softball, swimming, tennis.

#### ELECTIVES IN PHYSICAL EDUCATION

81. History and Principles of Physical Education.—Prerequisite: Educational Psychology.—3 s.h.

ASSISTANT PROFESSOR GROUT

102. The Teaching of Physical Education in Elementary Schools.—3 s.h.

ASSISTANT PROFESSOR GROUT

108. Recreation Leadership.—2 s.h.

MISS DOWLING

181-182. Methods of Teaching Athletic Activities.—6 s.h.

THE STAFF

185. The Teaching of Physical Education in Secondary Schools.—3 s.h.

ASSISTANT PROFESSOR GROUT

#### HYGIENE

41. Hygiene.—3 s.h.

MISS SMITH

S112. Personal and School Hygiene.—3 s.h.

MISS GARDINER

## HISTORY

PROFESSOR LAPRADE, CHAIRMAN; ASSOCIATE PROFESSOR NELSON, DIRECTOR OF UNDERGRADUATE STUDIES; DR. HAMILTON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BALDWIN, CARROLL, AND SYDNOR; ASSOCIATE PROFESSORS CLYDE AND LANNING; ASSISTANT PROFESSORS MANCHESTER, QUINN, ROBERT, STILL, AND WOODY; DRS. FERGUSON, MCCLOY, PARKER, ROPP, WATSON; MR. MUNYAN; MISS CHAFFIN (PART-TIME)

- 1-2. Modern and Contemporary Europe.—6 s.h.  
 PROFESSOR CARROLL; ASSOCIATE PROFESSORS CLYDE AND NELSON;  
 ASSISTANT PROFESSORS MANCHESTER AND QUINN; DRS.  
 FERGUSON, HAMILTON, ROPP, AND WATSON;  
 MISS CHAFFIN
- 51-52. Modern and Contemporaneous Europe.—6 s.h.  
 PROFESSOR BALDWIN, DRs. MCCLOY AND PARKER, AND MR. MUNYAN  
 [Not open to Freshmen or to students who have had course 1-2.]
- 61-62. Russia and the Near East from Peter the Great to Stalin.—Pre-  
 requisite: course 1-2 or 51-52. 6 s.h. DR. ROPP
- 66-66. The Social and Cultural History of Western Europe in the Sev-  
 enteenth and Eighteenth Centuries.—6 s.h. DR. MCCLOY
91. Political and Social History of the United States to 1850.—3 s.h.  
 ASSISTANT PROFESSORS ROBERT AND STILL; DR. WATSON
92. Political and Social History of the United States since 1850.—3 s.h.  
 ASSISTANT PROFESSORS ROBERT AND STILL; DR. WATSON
- 101-102. Early European Civilization.—6 s.h.  
 ASSISTANT PROFESSOR QUINN
- 105-106. English Constitutional History.—6 s.h. DR. HAMILTON
- 107-108. Social and Cultural History of England.—6 s.h. MR. MUNYAN  
 [Not offered in 1940-41]
- 109-110. Political and Cultural Foundations of Modern Europe, 1400-  
 1648.—6 s.h. ASSOCIATE PROFESSOR NELSON
114. History of the United States since Reconstruction.—Prerequisites:  
 courses 91 and 92. 3 s.h. ASSOCIATE PROFESSOR LANNING
- 119-120. Social and Cultural History of the United States.—Prerequisites:  
 courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR ROBERT
- 121-122. The Church in American History.—Prerequisites: courses 91  
 and 92. 6 s.h. PROFESSOR BALDWIN  
 [Not offered in 1940-41]
- 123-124. English History.—6 s.h. PROFESSOR LAPRADE
125. The Ancient Regime, the French Revolution, and Napoleon.—3 s.h.  
 DR. PARKER
126. The Congress of Vienna and the Rise of the European Nations to  
 1870.—3 s.h. DR. PARKER
127. History of Latin America.—3 s.h. ASSOCIATE PROFESSOR LANNING
130. European Expansion Overseas.—3 s.h.  
 ASSISTANT PROFESSOR MANCHESTER

Ancient History.—Greek 131—Latin 131-132.

135. Main Currents in European History, 1815-1914.—3 s.h.  
[Not offered in 1940-41] PROFESSOR CARROLL

136. Europe since 1914, Including the Rise of the Totalitarian States,  
Russia, Italy, and Germany.—3 s.h.  
[Not offered in 1940-41] PROFESSOR CARROLL

141-142. The Modern and Contemporary Far East.—6 s.h.  
ASSOCIATE PROFESSOR CLYDE

153-154. The History of the South.—6 s.h. PROFESSOR SYDNOR

FOR SENIORS AND GRADUATES

209-210. American Constitutional History.—Prerequisites: courses 91 and  
92. 6 s.h. ASSISTANT PROFESSOR STILL

211. The Teaching of History and the Social Studies (Education 225).—  
3 s.h. ASSISTANT PROFESSOR MANCHESTER

215-216. History of the United States' Foreign Policy.—Prerequisites:  
courses 91 and 92. 6 s.h. ASSOCIATE PROFESSOR CLYDE

217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]

219-220. The History of the European Proletariat.—6 s.h.  
[Not offered in 1940-41] PROFESSOR CARROLL

223-224. Medieval Institutions and Culture.—6 s.h.  
ASSISTANT PROFESSOR QUINN

221-222. The Age of the Renaissance.—6 s.h.  
ASSOCIATE PROFESSOR NELSON

225-226. The Age of the Reformation.—6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR NELSON

231. The Hispanic Colonies of the New World.—3 s.h.  
ASSOCIATE PROFESSOR LANNING

232. Hispanic Republics of the New World.—3 s.h.  
ASSOCIATE PROFESSOR LANNING

233. The Cultural and Institutional History of Colonial Hispanic  
America.—3 s.h. ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

234. Political and Social Problems in the Hispanic American Republics.—  
3 s.h. ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

241-242. Eastern Asia and the Pacific.—6 s.h.  
ASSOCIATE PROFESSOR CLYDE

263-264. American Colonial History and the Revolution, 1606-1783.—Pre-  
requisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR WOODY

265-266. The Westward Movement in the United States.—Prerequisites:  
courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL  
[Not offered in 1940-41]

## DEPARTMENTAL MAJOR

*Prerequisites:* The Introductory Course in History (1-2 or 51-52).

*Major Requirements:* Students in the General Group desiring to take a major in history are required to elect twenty-four semester-hours in the Department, including six semester-hours in the Senior year from courses in the 200 group. Students desiring to take the more advanced courses in American history should elect courses 91 and 92 in the Sophomore or Junior year.

## DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in history who have passed with a grade of "B" or better in their Freshman and Sophomore years courses 91 and 92 in addition to the introductory course in European history.

Candidates for Honors in history are required to take in the Junior year two courses in history offered in the 100 group and to make an average grade of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of fifteen semester-hours of supervised reading in history, the candidate must elect with the approval of the Departmental Committee on Honors six semester-hours of work from the courses in history offered in the 200 group, on which he is required to make a grade of "B" or better and nine semester-hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester-hours shall be devoted to the classical historians such as Herodotus, Thucydides, Tacitus, Livy, Bede, and better-known chroniclers, Machiavelli, Gibbon, Hume, Voltaire, Ranke, and others; the equivalent of nine semester-hours shall be devoted to selected fields in either American or European history as the student may elect and the Departmental Committee advise.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

## LATIN AND ROMAN STUDIES

PROFESSOR ROGERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR ROSBOROUGH; ASSISTANT PROFESSOR GATES

- |  |                                       |
|--|---------------------------------------|
| 1-2. Course for Beginners.—6 s.h.  | DR. ROSE                              |
| 3. Cicero's Orations.—3 s.h.   | ASSISTANT PROFESSOR GATES OR DR. ROSE |
| 4. Vergil's Aeneid.—Prerequisite: three entrance units and Latin 57 taken in the semester preceding admission to the course, unless Latin 3 was taken.<br>3 s.h. | ASSISTANT PROFESSOR GATES OR DR. ROSE |
| 65-66. Latin Prose Composition.—2 s.h.   | DR. ROSE                              |
| 41. Livy's History of Rome.—3 s.h.   | THE STAFF                             |
| 42. Horace.—3 s.h.   | THE STAFF                             |
| 53. Sallust and Tacitus.—Prerequisite: Latin 41-42 or an equivalent. 3 s.h.  | DR. ROSE                              |
| 54. Catullus.—3 s.h.   | DR. ROSE                              |
| 57. Sight Reading in Classical Latin.—1 s.h.   | THE STAFF                             |
| 58. Sight Reading in Mediaeval Latin.—Prerequisite: at least one of the following courses: Latin 3, 4, 41, 42, and 57, or an equivalent. 1 s.h.                  | DR. ROSE                              |

## 59. Roman Law.

[Not offered in 1940-41]

## 101. Tacitus and Suetonius.—3 s.h.

PROFESSOR ROSBOROUGH

## 102. Juvenal and Persius.—3 s.h.

PROFESSOR ROSBOROUGH

## 103. The Roman Elegiac Poets.

[Not offered in 1940-41]

## 104. Horace: Satires and Epistles.

[Not offered in 1940-41]

## 105. Martial's Epigrams.

[Not offered in 1940-41]

## 106. Letters of Pliny the Younger.

[Not offered in 1940-41]

## 107. Livy: Ab Urbe Condita.

[Not offered in 1940-41]

## 108. Cicero's Letters.—3 s.h.

ASSISTANT PROFESSOR GATES

109. Materials and Methods.—Prerequisite: eighteen approved semester-hours of college Latin, including courses 41-42, 53-54, or equivalent courses.  
3 s.h. ASSISTANT PROFESSOR GATES

## 111-112. Roman Literature in English Translation.

[Not offered in 1940-41]

## 113-114. Roman Civilization.

[Not offered in 1940-41]

115-116. Art and Architecture of Ancient Rome.—*See course 216.*

[Not offered in 1940-41]

## 131-132. History of Rome.—6 s.h.

PROFESSOR ROGERS

## 203-204. Roman Epic.

[Not offered in 1940-41]

## 205-206. Roman Drama.—6 s.h.

ASSISTANT PROFESSOR GATES

## 207-208. Roman Philosophy.

[Not offered in 1940-41]

## 209-210. Vulgar Latin: Introduction to Romance Philology.

[Not offered in 1940-41]

## 211-212. Roman Oratory.—6 s.h.

PROFESSOR ROGERS

215. Roman Art and Archaeology.—*See course 216.*

[Not offered in 1940-41]

## 216. Topography and Monuments of Ancient Rome.—3 s.h.

PROFESSOR ROSBOROUGH

## DEPARTMENTAL MAJOR

*Prerequisites:* Latin 41-42, 65-66, or acceptable equivalents.

*Major Requirements:* Latin 53-54, 101-102, six semester-hours in courses numbered from 103 to 108, and six semester-hours in courses numbered from 200 to 299 to be taken in the Senior year.

In addition, all majors are expected to pursue course 131-132, History of Rome.



## LAW COURSES FOR ACADEMIC STUDENTS

PROFESSORS BOLICH, LATTY, MAGGS, POTEAT, SHEPHERD; ASSISTANT PROFESSOR SANDERS; MR. ROALFE

The first-year program of the Law School is as follows:

L.201. Introduction to Procedure.—2 s.h.	PROFESSOR POTEAT
L.203-204. Contracts.—7 s.h.	PROFESSOR SHEPHERD
L.205-206. Criminal Law and Its Administration.—4 s.h.	ASSISTANT PROFESSOR SANDERS
L.207-208. Chattel Transactions.—4 s.h.	PROFESSOR LATTY
L.210. Possessory Estates.—2 s.h.	PROFESSOR BOLICH
L.211-212. Torts.—5 s.h.	PROFESSOR MAGGS
L.213. Legal Bibliography.—1 s.h.	MR. ROALFE
L.214. Agency.—2 s.h.	PROFESSOR LATTY

## MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN; PROFESSOR ELLIOTT, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HICKSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS RANKIN AND THOMAS; ASSOCIATE PROFESSOR CARLITZ; ASSISTANT PROFESSORS ALDRIDGE, GREENWOOD, MILES, PATTERSON, AND ROBERTS; DRs. BOAS AND DRESSSEL; MISS LAYNE (PART-TIME); AND ASSISTANTS

1. Introduction to College Algebra.—3 s.h.	STAFF
2. Plane Trigonometry.—3 s.h.	STAFF
3-4. Mathematical Analysis for Students of Business.—6 s.h.	STAFF
7. Algebra and Trigonometry.—3 s.h.	STAFF
8. Introduction to Analytic Geometry and Calculus.—3 s.h.	STAFF
9-10. First-Year Engineering Mathematics.—10 s.h.	STAFF
50. Analytic Geometry.—3 s.h.	(w) : DR. DRESSEL ( <i>first semester</i> ); PROFESSOR GERGEN AND ASSISTANT PROFESSOR HICKSON ( <i>second semester</i> ); (E) : PROFESSOR ELLIOTT
51-52. Differential and Integral Calculus.—Prerequisite: analytic geometry. 6 s.h.	PROFESSOR ELLIOTT ( <i>51 first semester, 52 second semester</i> ); ASSOCIATE PROFESSOR CARLITZ ( <i>52 first semester</i> ); DR. DRESSEL ( <i>51 second semester</i> )
59-60. Second-Year Engineering Mathematics.—Prerequisite: analytic geometry. 8 s.h.	PROFESSOR RANKIN; ASSISTANT PROFESSORS PATTERSON AND ROBERTS
71. Mathematics of Investment.—Prerequisite: 6 semester-hours of college mathematics. 3 s.h.	ASSISTANT PROFESSOR HICKSON
74. Statistics.—Prerequisite: 6 semester-hours of college mathematics. 3 s.h.	ASSISTANT PROFESSOR HICKSON

76. **Mathematical Theory of Economics.**—Prerequisite: Mathematics 4 or Mathematics 8 or the equivalent. 3 s.h. ASSISTANT PROFESSOR HICKSON  
[Not offered in 1940-41]
131. **Elementary Differential Equations.**—Prerequisite: integral calculus. 3 s.h. ASSISTANT PROFESSOR HICKSON
- 139-140. **Second Course in Calculus.**—Prerequisite: integral calculus. 6 s.h. PROFESSOR ELLIOTT
160. **Elementary Solid Analytic Geometry.**—Prerequisite: differential calculus. 3 s.h. ASSOCIATE PROFESSOR CARLITZ
- 161-162. **Reading Course for Juniors.**
- 163-164. **Reading Course for Seniors.**

## FOR SENIORS AND GRADUATES

201. **History of Mathematics.**—3 s.h. PROFESSOR RANKIN  
[Not offered in 1940-41]
204. **Teaching of Mathematics.**—3 s.h. PROFESSOR RANKIN  
[Not offered in 1940-41]
225. **Theory of Equations.**—Prerequisite: differential calculus. 3 s.h.  
[Not offered in 1940-41]
- 227-228. **Theory of Numbers.**—Prerequisite: integral calculus. 6 s.h. ASSOCIATE PROFESSOR CARLITZ  
[Not offered in 1940-41]
- 229-230. **Algebraic Numbers.**—Prerequisite: Mathematics 225. 6 s.h. ASSOCIATE PROFESSOR CARLITZ
- 235-236. **Modern Algebra.**—Prerequisite: differential calculus. 6 s.h. PROFESSOR THOMAS
250. **Modern Geometry.**—Prerequisite: differential calculus. 3 s.h.  
[Not offered in 1940-41]
252. **Non-Euclidean Geometry.**—Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]
- 255-256. **Projective Geometry.**—Prerequisite: differential calculus. 6 s.h. PROFESSOR THOMAS
- 271-272. **Introductory Topology.**—Prerequisite: integral calculus. 6 s.h. ASSISTANT PROFESSOR ROBERTS  
[Not offered in 1940-41]
275. **Probability.**—Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]
281. **Elementary Potential Theory.**—Prerequisite: integral calculus. 3 s.h. DR. DRESSEL
282. **Differential Equations of Mathematical Physics.**—Prerequisite: integral calculus. 3 s.h. DR. DRESSEL
283. **Fourier Series and Spherical Harmonics.**—Prerequisite: integral calculus. 3 s.h. ASSISTANT PROFESSOR MILES  
[Not offered in 1940-41]
284. **Vector Analysis.**—Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]

287. Mathematical Logic.—3 s.h.

[Not offered in 1940-41]

288. Foundations of Mathematics.—3 s.h.

[Not offered in 1940-41]

291-292. Theory of Functions.—Prerequisite: Mathematics 140. 6 s.h.

PROFESSOR GERGEN

#### DEPARTMENTAL MAJOR

*Prerequisites:* Six semester-hours of Freshman mathematics.

*Major Requirements:* Mathematics 51-52 or 59-60 and twelve semester-hours in courses numbered above 100. These twelve hours must be approved by the Department through the Director of Undergraduate Studies.

#### DEPARTMENTAL HONORS PROGRAM

*Prerequisites:* A student who meets the general requirement as to candidacy of the Honors Group, who has completed Mathematics 51 or 59 and who has earned an average grade of "B" or better in his courses in mathematics, may become a candidate for Honors.

##### *Honors Work:*

(a) Work in Mathematical Courses: To graduate with Honors a candidate must complete, during his Honors program, a minimum of eighteen semester-hours of course work in regular open courses numbered above 100. These courses must be completed with an average grade of "B" or better.

(b) Tutorial Work: During the Honors program a candidate reads on special topics in mathematics under the personal supervision of a tutor. A candidate must earn a minimum of six semester-hours of credit in this tutorial work. He cannot earn more than nine semester-hours on this tutorial work, nor more than thirty-six semester-hours for his course work in mathematics and his tutorial work combined.

(c) Work in Courses in Related Fields: A candidate must earn a sufficient number of semester-hours of credit in courses in related fields to complete with the credit obtained in (a) and (b) the sixty semester-hours required in the Honors Group.

A candidate's program must be approved by the Departmental Honors Adviser.

*General Honors Examination:* At the end of the Senior year each candidate reading for Honors in mathematics must pass a comprehensive examination on his Honors program. This examination may be written, oral, or both. Faculty members from other departments and other institutions may be invited to participate in this examination.

#### MUSIC

DEAN BALDWIN, ACTING CHAIRMAN; MR. BRUINSMA, DIRECTOR OF UNDERGRADUATE STUDIES; MR. BROADHEAD, SUPERVISOR OF FRESHMAN INSTRUCTION; MISS WILKINSON

#### THEORY

11-12. Fundamentals of Music.—6 s.h.

MR. BRUINSMA AND MISS WILKINSON

61-62. Counterpoint, Canon and Fugue.—Prerequisite: Music 11-12. 6 s.h.

MR. BRUINSMA

71-72. Analysis of Form.—Prerequisite: Music 11-12. 6 s.h.

[Not offered in 1940-41]

MR. BRUINSMA

111-112. Harmony.—Prerequisite: Music 11-12. 6 s.h.

MR. BRUINSMA

121-122. Orchestration and Conducting.—Prerequisite: Music 11-12. 6 s.h.

MR. BRUINSMA

## HISTORY AND CRITICISM

- 81-82. Introduction to Musical Literature.—6 s.h. MR. BROADHEAD
131. Symphonic Literature.—Prerequisite: Music 81-82 or consent of instructor. 3 s.h. MISS WILKINSON
132. Symphonic Literature.—Prerequisite: Music 131. 3 s.h. MISS WILKINSON
142. Organ Literature.—Prerequisite: Music 81-82. 3 s.h. [Not offered in 1940-41] MR. BROADHEAD
197. Bach.—Prerequisite: Music 81-82. 3 s.h. MR. BROADHEAD
198. Beethoven.—Prerequisite: Music 81-83. 3 s.h. MR. BROADHEAD

## MUSIC EDUCATION

101. Vocal Methods.—Prerequisite: Music 11-12. 3 s.h. MR. BRUINSMA
102. Instrumental Methods.—Prerequisite: Music 11-12. 3 s.h. MR. BRUINSMA

## PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN; ASSOCIATE PROFESSOR MORGAN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. MCLARTY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS GILBERT AND SMITH; EXCHANGE PROFESSOR MOORE; ACTING PROFESSOR DUBS; AND ASSISTANT PROFESSOR LEONARD

*For courses marked \* there is a prerequisite of three hours, and those marked † six hours of philosophy; admission otherwise by permission of the instructor. Sophomores may in general take courses prescribed for Juniors by permission of the instructor.*

48. Introduction to Logic and Scientific Method.—3 s.h. ASSISTANT PROFESSOR LEONARD
98. Introduction to Ethics.—3 s.h. PROFESSOR GILBERT AND ASSOCIATE PROFESSOR MORGAN
101. Introduction to Philosophy.—3 s.h.  
 (W) PROFESSOR WIDGERY (*first semester*);  
 DR. MCLARTY (*second semester*)  
 (E) PROFESSOR GILBERT
103. Logic.—3 s.h. ASSISTANT PROFESSOR LEONARD
104. Scientific Methodology.—3 s.h. ASSISTANT PROFESSOR LEONARD
105. Introduction to the History of Philosophy: Ancient and Medieval.—3 s.h. DR. MCLARTY
106. Introduction to the History of Philosophy:—Modern.—3 s.h. PROFESSOR WIDGERY AND DR. MCLARTY
108. Philosophical Ideas in Ancient Greek and Roman Culture.—3 s.h. DR. MCLARTY
- 109-110. Plato.—Euripides.—6 s.h. ASSISTANT PROFESSOR WAY
112. The Development of American Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN

114. Seventeenth-Century Philosophy, with Special Reference to Spinoza.—3 s.h. PROFESSOR GILBERT
119. Fundamentals of Christian Morality: An Introduction to Christian Ethics.—3 s.h. DR. McLARTY
121. The Philosophy of Plato.—3 s.h. DR. McLARTY

## FOR SENIORS AND GRADUATES

- 201-202. The Philosophy of Art.—6 s.h. PROFESSOR GILBERT
203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
204. Christian Ethics.—3 s.h. PROFESSOR SMITH
205. The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
206. Modern Political Theory.—3 s.h. PROFESSOR WILSON
207. Political Thought to the Seventeenth Century.—3 s.h. PROFESSOR WILSON
208. Political Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 209-210. The Philosophy of Religion.—6 s.h. PROFESSOR WIDGERY  
[Not offered in 1940-41]
211. The Philosophy of Civilization.—3 s.h. ASSOCIATE PROFESSOR MORGAN
212. Psychology of Belief.—2 s.h. Psychology 228.  
ASSOCIATE PROFESSOR LUNDHOLM
- 213-214. History of Aesthetics.—6 s.h. PROFESSOR GILBERT  
[Not offered in 1940-41]
- 215-216. Plato.—6 s.h. Greek 209-210. ASSISTANT PROFESSOR WAY
217. The Philosophy of Aristotle.—Prerequisite: course 105.  
DR. McLARTY
- 219-220. The Age of the Renaissance.—6 s.h. ASSISTANT PROFESSOR NELSON
224. Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY  
[Not offered in 1940-41]
226. The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN
227. Mathematical Logic.—3 s.h. ASSOCIATE PROFESSOR CARLITZ  
[Not offered in 1940-41]
228. Fundamental Concepts of Mathematics.—3 s.h. ASSOCIATE PROFESSOR CARLITZ  
[Not offered in 1940-41]
- 229-230. Contemporary Physics.—6 s.h. ASSISTANT PROFESSORS NIELSEN AND CONSTANT AND DR. MOUZON
- 231-232. Philosophy of Science.—6 s.h. ASSISTANT PROFESSOR LEONARD
234. Introduction to the Philosophy of Education.—3 s.h. PROFESSOR HOLTON
236. Oriental Philosophy.—I. Chinese Philosophy. 3 s.h. ACTING PROFESSOR DUBS  
[Not offered in 1940-41]

238. Oriental Philosophy.—II. Indian Philosophy. 3 s.h.  
 PROFESSOR WIDGERY
241. Logic.—3 s.h.  
 [Not offered in 1940-41] ASSISTANT PROFESSOR LEONARD
242. Scientific Methodology.—3 s.h.  
 [Not offered in 1940-41] ASSISTANT PROFESSOR LEONARD
244. Nietzsche and the Nineteenth Century.—3 s.h.  
 ASSOCIATE PROFESSOR MORGAN
- 245-246. Philosophical Foundations of Religious Belief.—6 s.h.  
 ACTING PROFESSOR DUBS
248. Philosophy of Values.—3 s.h.  
 ACTING PROFESSOR DUBS

#### DEPARTMENTAL MAJOR

The student is required to take courses amounting to at least eighteen credit hours in the Department. Of these six must be Philosophy 105-106, Introduction to the History of Philosophy; and six must be from courses in the 200 series. The student is advised to consult with an instructor in the Department as to the courses most suitable to fit in his general plan of study.

#### PHYSICS

PROFESSOR NIELSEN, CHAIRMAN; PROFESSOR HATLEY, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR CARPENTER, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS EDWARDS, NORDHEIM, SPONER; ASSISTANT PROFESSORS CONSTANT AND MOUZON; DRs. BONNER AND HEBB; AND ASSISTANTS

The courses in physics are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

An elementary knowledge of the calculus and credit for 12 semester-hours in physics is required in all courses numbered 200 and above.

- 1-2. Introductory Physics.—8 s.h.  
 ASSISTANT PROFESSOR CARPENTER; PROFESSORS EDWARDS AND HATLEY; DR. HEBB; AND ASSISTANTS
- 17-18. Engineering Physics.—6 s.h.  
 ASSISTANT PROFESSOR MOUZON; DRs. BONNER AND HEBB
- 51-52. General Physics.—Prerequisite: Mathematics 7-8 or equivalent.  
 10 s.h.  
 PROFESSOR HATLEY; ASSISTANT PROFESSOR CARPENTER; AND DR. BONNER
- 57-58. Engineering Physics.—6 s.h.  
 ASSISTANT PROFESSOR MOUZON; DRs. BONNER AND HEBB
- 59-60. Elementary Atomic Physics.—6 s.h. PROFESSOR NIELSEN
61. Mechanics.—Prerequisite: a year course in college physics. 3 s.h.  
 ASSISTANT PROFESSOR CARPENTER
62. Heat.—Prerequisite: a year course in college physics. 3 s.h.  
 ASSISTANT PROFESSOR CARPENTER



65-66. Intermediate Physics.—Prerequisite: Physics 1-2 or its equivalent.  
6 s.h. PROFESSOR EDWARDS

103. Electricity and Magnetism.—Prerequisite: a year course in college physics. 3 s.h. ASSISTANT PROFESSOR CONSTANT

104. Electrical Measurements.—A fundamental course in electrical engineering or course 103 is a prerequisite. 3 s.h.  
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR CONSTANT

106. Photography.—Prerequisite: a year course in college physics and the consent of the instructor. 3 s.h. DR. BONNER

203-204. Analytical Mechanics.—6 s.h. DR. HEBB

205-206. Physical Optics.—6 s.h. PROFESSOR HATLEY

211. History of Physics.—2 s.h. PROFESSOR EDWARDS

213-214. Contemporary Physics.—6 s.h. ASSISTANT PROFESSOR CONSTANT

215-216. Atomic Physics Laboratory.—2-4 s.h.  
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

217-218. Advanced General Physics Laboratory.—2 s.h.  
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON

219. Vacuum Tubes and Their Application.—3 s.h.  
ASSISTANT PROFESSOR MOUZON

221-222. Introduction to Theoretical Physics.—6 s.h.  
ASSISTANT PROFESSOR CONSTANT

#### DEPARTMENTAL MAJOR

A. For the degree of A.B.:

*Prerequisites:* Physics 1-2 or equivalent and Mathematics 1-2 or 7-8 or equivalent.

*Major Requirements:* 18 to 24 hours of which six to twelve hours are in courses approved by the Department below the 200 level and six to twelve hours in approved Senior-Graduate courses.

B. For the degree of B.S.:

*Prerequisites:* Physics 1-2 or equivalent, Chemistry 1-2 and Mathematics 1-2 or 7-8 or equivalent. (Students who have a considerable number of hours in a closely allied field may with the approval of the Department count 51-52 or 57-58 as a major requirement.)

*Major Requirements:* Twenty-four hours of which six to twelve hours are in courses approved by the department below the 200 level and twelve to eighteen hours in approved Senior-Graduate courses.

#### DEPARTMENTAL HONORS PROGRAM

*Prerequisites:* Physics 1-2, 51-52, or 57-58 and 6 s.h. additional work in physics above the Freshman level; Mathematics 6 s.h. and Chemistry 1-2.

*Honors Program:* Physics 103-104, 215-216 and 221-222; Mathematics 99-100 and 131; electives subject to the approval of the Departmental Honors Committee, 25 s.h., or enough to satisfy the requirements for graduation, of which at least 6 s.h. must be either a course in Geology or an advanced course in Chemistry, Botany, Zoology, or Mathematics.

In addition, the student will arrange with his Adviser for the performance of a limited number of elementary physical investigations. This will consist

of both readings and experimental work which in general will constitute a survey of the classical and modern aspects of physics for which 10 s.h. credit will be allowed.

At the end of both the Junior and Senior years, the student will be given both an oral and a written examination in the field of physics.

### POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN; PROFESSOR RANKIN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. GIBSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR VON BECKERATH; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSOR LINEBARGER; DR. SIMPSON

21. Principles of Government.—3 s.h. DR. GIBSON
22. Governmental Problems in International Relations.—3 s.h.  
DR. GIBSON AND DR. SIMPSON
- 61-62. American Government and Politics.—6 s.h.  
PROFESSORS RANKIN AND WILSON; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSOR LINEBARGER;  
DR. GIBSON, DR. SIMPSON
- Course 61-62 is ordinarily taken before any advanced course in political science. A student who has not had course 61-62 or equivalent work may take an advanced course in the Department with the approval of the instructor giving the advanced course.
111. Contemporary Problems in Far Eastern Politics.—3 s.h.  
ASSISTANT PROFESSOR LINEBARGER
125. American Political Parties and Practical Politics.—3 s.h.  
ASSOCIATE PROFESSOR COLE
136. Major European Governments.—3 s.h. ASSOCIATE PROFESSOR COLE
141. Public Regulation.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN
- 151-152. Spanish-American Political Institutions.—6 s.h. DR. GIBSON
164. Government Control of Railroads.—3 s.h.  
ASSOCIATE PROFESSOR SHIPMAN
172. Government and Agriculture.—3 s.h. PROFESSOR VON BECKERATH  
[Not given in 1940-41]
174. Politics and Economics.—3 s.h. PROFESSOR VON BECKERATH
207. American Constitutional Law and Theory.—3 s.h. PROFESSOR WILSON
209. State and Local Government in the United States.—3 s.h.  
PROFESSOR RANKIN
211. Political Institutions of the Far East.—3 s.h.  
ASSISTANT PROFESSOR LINEBARGER
212. International Politics of the Far East.—3 s.h.  
ASSISTANT PROFESSOR LINEBARGER
223. Political Thought to the Seventeenth Century.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WILSON
224. Modern Political Theory.—3 s.h. PROFESSOR WILSON  
[Not offered in 1940-41]

- 225-226. Comparative Government.—6 s.h.      ASSOCIATE PROFESSOR COLE
- 227-228. International Law and International Organization.—6 s.h.  
    PROFESSOR WILSON
229. Recent and Contemporary Political Theory.—3 s.h.  
    ASSOCIATE PROFESSOR COLE
230. American Political Institutions.—3 s.h.      PROFESSOR RANKIN
- 241-242. The Administrative Process.—6 s.h.  
    ASSOCIATE PROFESSOR SHIPMAN
244. Administrative Law.—3 s.h.      ASSOCIATE PROFESSOR SHIPMAN  
 [Not offered in 1940-41]
246. Legislation.—3 s.h.      ASSOCIATE PROFESSOR SHIPMAN
271. Socio-Politics and Capitalism.—3 s.h.      PROFESSOR VON BECKERATH
291. Municipal Government.—3 s.h.      PROFESSOR RANKIN
292. Municipal Administration.—3 s.h.      PROFESSOR RANKIN  
 [Not offered in 1940-41]

#### WORKING COLLECTION OF GOVERNMENT MATERIALS

It is a policy of the Department to gather and classify published and other materials of significance as illustrating actual processes of government. As a step toward the development of a laboratory of government, there has been made available in the University Library a working collection of government materials for student use both for general reference and in the handling of assigned individual projects.

#### DEPARTMENTAL MAJOR

*Prerequisite:* Political Science 61-62.

*Major Requirements:* Eighteen semester-hours of work in the Department above course 61-62, including at least nine semester-hours in Senior-Graduate courses. Courses 21 and 22 may not be counted toward a major.

#### HONORS WORK

Students who plan to take Honors in political science must have Junior standing and must have completed Political Science 61-62 and Economics 51-52 with satisfactory grades. Exceptions may be made in the case of students who are taking Economics 51-52 in their Junior year.

The Honors work will consist of two readings in political science and one in economics. In addition, a thesis will be required. The readings in political science will be given during the second semester of the Junior year and the first semester of the Senior year. The reading in economics may be selected from the offerings in that department. The thesis will be due on May 15 of the Senior year.

A weight of 15 hours will be given the readings and thesis (6-6-3) in political science. The reading in economics will increase the credit total to 21 semester-hours. The normal course load will be three courses each semester after the first semester of the Junior year, when four courses will be required. With the approval of the Departmental Honors Committee, an additional Honors Reading may be taken in a related department, with a corresponding reduction in the course requirements.

Oral or written examinations at the end of each reading and a general oral and written examination at the end of the Senior year will be required.

Honors readings in political science are as follows:

*Comparative Government.*—The theory and practice of modern European dictatorships and democracies. ASSOCIATE PROFESSOR COLE

*Political Theory.*—A consideration of political theory from the French Revolution to the present, with particular reference to American and Far Eastern contributions. ASSISTANT PROFESSOR LINEBARGER

### PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN; ASSOCIATE PROFESSOR ZENER, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR RHINE; ASSOCIATE PROFESSOR ADAMS; ASSISTANT PROFESSOR KEMP; DR. PRATT

\*101. Introduction to Psychology: General Principles of Mental Activity.—3 s.h. ASSISTANT PROFESSOR KEMP; DR. PRATT

103. Conation and Our Conscious Life.—3 s.h. PROFESSOR LUNDHOLM

104. Comparative Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]

107-108. Psychological Analysis of Prominent Characters in Literature.—Selected Seniors and Juniors only. 2 s.h. PROFESSOR LUNDHOLM  
[Not offered in 1940-41]

110. Psychology of Motivation.—3 s.h. ASSOCIATE PROFESSOR ZENER

\*\*114. Psychology of Personality.—3 s.h. PROFESSOR RHINE

115. Introduction to Child Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS

202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM

206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS  
*This course was previously numbered 201.*

207. Psychology of Memory, Perceiving, Thinking.—3 s.h. ASSOCIATE PROFESSOR ZENER

\*\*209. Experimental Methods in Human Psychology.—Laboratory and lectures. 4 s.h. ASSOCIATE PROFESSOR ZENER  
[Not offered in 1940-41]

211. Physiological Psychology.—3 s.h. ASSISTANT PROFESSOR KEMP

216. Seminar in Comparative Psychology.—2 or 3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]

217. Gestalt Theory.—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]

219. History of Psychology.—2 s.h. \_\_\_\_\_

\*\*223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM  
*If advisable, this course may also be offered in the spring semester.*

226. Contemporary Schools of Psychology.—3 s.h. ASSOCIATE PROFESSOR ZENER  
[Offered in 1940 fall semester only]

228. Psychology of Belief.—2 s.h. PROFESSOR LUNDHOLM  
[Not offered in 1940-41]

\* This course is a prerequisite for all other courses in psychology. It is not open to students of lower standing than Juniors, except Sophomores who have made an average grade of "B" or better.

\*\* Limited registration. Admission only after consultation with instructor.

**231-232. Introduction to Research.—2 or 3 s.h.**

PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE  
PROFESSORS ADAMS AND ZENER

**DEPARTMENTAL MAJOR**

*Prerequisites:* Zoology 1 and 2 or equivalent courses in biology.

*Major Requirements:* Eighteen semester-hours in Psychology including Psychology 101 and at least six hours in Senior-Graduate courses. The student is advised to consult with some member of the Department in planning his course.

**DEPARTMENTAL HONORS PROGRAM**

Departmental Honors in psychology are governed by the general rules covering all Honors programs.

*Prerequisite:* The minimum requirement for admission to Honors in psychology is the completion of Psychology 101 with a grade of "B" or higher. Completion of Zoology 1-2 is strongly recommended.

*Departmental Honors Program:*

(a) Honors Readings.—Tutorial work with a member of the Department designated by the Honors Committee. This work shall be counted as the equivalent of three semester-hours in the Junior and six semester-hours in the Senior year.

(b) Courses in Psychology.—At least six courses in the Department in addition to the prerequisite (of which at least three must be of Senior-Graduate level).

(c) Courses in Related Fields.—To complete the total of sixty semester-hours. All courses are to be chosen by consultation with the Departmental Honors Adviser.

(d) At the end of the Senior year.—A final written and oral examination on the fields of psychology chosen, and an experimental or critical paper on a selected problem.

**RELIGION**

PROFESSOR MYERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES;  
ASSISTANT PROFESSOR PETRY, SUPERVISOR OF FRESHMAN INSTRUCTION;  
PROFESSORS CANNON, HICKMAN, ORMOND, ROWE, AND SPENCE;  
ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS  
CLARK, CRUM, AND OUTLER; MRS. SPENCE

**1. The English Bible.—3 s.h.**

PROFESSORS MYERS AND ORMOND, ASSISTANT PROFESSORS  
CRUM AND OUTLER AND MRS. SPENCE

**2. The English Bible.—3 s.h.**

PROFESSORS MYERS AND ORMOND, ASSISTANT PROFESSORS  
CRUM AND OUTLER AND MRS. SPENCE

**51. The History of the Hebrew People.—3 s.h.**

PROFESSOR SPENCE; ASSISTANT PROFESSORS OUTLER  
AND PETRY; MRS. SPENCE

**52. New Testament Life and Literature.—3 s.h.**

PROFESSORS MYERS AND SPENCE; ASSISTANT PROFESSORS  
OUTLER AND PETRY; MRS. SPENCE

**101. The Social Teachings of the Prophets and Jesus.—3 s.h.**

PROFESSOR ORMOND

**102. The Christian Church in the Social Order.—3 s.h.**

PROFESSOR ORMOND

**103. The Prophets of the Old Testament.—3 s.h.**

PROFESSOR MYERS



104. The History and Religion of the Jews to the Roman Period.—3 s.h.  
[Not offered in 1940-41] PROFESSOR MYERS
105. Religion in the Old Testament.—3 s.h. PROFESSOR ROWE
106. Religion in the New Testament.—3 s.h. PROFESSOR ROWE
115. The Life of Jesus.—3 s.h. (Old number SR.215.) PROFESSOR MYERS  
[Not offered in 1940-41]
116. The Teachings of Jesus.—3 s.h. (Old number SR.216.)  
PROFESSOR MYERS
151. Personality and Human Values.—(Identical with Sociology 121.)  
3 s.h. PROFESSOR HART
152. Personality and Culture.—(Identical with Sociology 122.) 3 s.h.  
PROFESSOR HART
163. Religious Education of Children.—3 s.h. MRS. SPENCE
167. Contemporary Religious Problems.—3 s.h. PROFESSOR SPENCE
168. Masterpieces of Great Religious Literature.—3 s.h. (Old number  
SR.270.) PROFESSOR SPENCE
169. Character Problems.—3 s.h. ASSISTANT PROFESSOR CRUM
170. Religion and the Family.—3 s.h. ASSISTANT PROFESSOR CRUM
181. The Nature and Early Development of Religion.—3 s.h.  
PROFESSOR CANNON
182. Living Religions of the World.—3 s.h. (Old number 282.)  
[Not offered in 1940-41] PROFESSOR CANNON
191. Fundamentals of Christian Morality: An Introduction to Christian  
Ethics. (Identical with Philosophy 119.) 3 s.h. DR. McLARTY
- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- SR.211-212. Hellenistic Greek.—6 s.h. ASSISTANT PROFESSOR CLARK
219. Life of Paul.—3 s.h. PROFESSOR MYERS  
[Not offered in 1940-41]
262. The Educational Work of the Church.—3 s.h. PROFESSOR SPENCE
263. Curriculum of Religious Education.—3 s.h. PROFESSOR SPENCE  
[Not offered in 1940-41]
- SR.265. Religious Drama.—3 s.h. PROFESSOR SPENCE
267. Technic of Teaching Religion.—3 s.h. PROFESSOR SPENCE
- SR.268. Religious Drama Construction and Production.—3 s.h.  
PROFESSOR SPENCE
275. Psychology of Religion I.—3 s.h. PROFESSOR HICKMAN
276. Psychology of Religion II.—3 s.h. PROFESSOR HICKMAN
285. The Religions of the Far East.—3 s.h. ACTING PROFESSOR DUBS  
[Offered in the second semester, 1940-41.]



293. **The Philosophy of Conduct.**—(Identical with Philosophy 203.) Prerequisite: six hours of philosophy. 3 s.h. ASSOCIATE PROFESSOR MORGAN

*Note:* A complete list of advanced courses in the field of Religion will be found in the *Bulletin of the School of Religion*.

#### DEPARTMENTAL MAJOR

*Prerequisite:* Religion 1-2, or 51-52.

*Major Requirements:* A major in the Department of Religion consists of twenty-four semester hours of work, exclusive of courses primarily for Freshmen, eighteen semester-hours of which shall be selected with the approval of the instructor under whose supervision the student does his major work.

#### DEPARTMENTAL HONORS PROGRAM

##### *General Rules:*

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester-hours of work.

II. The minimum amount of work that may be taken in the Department of Religion shall be the equivalent of twenty-four semester-hours, and the maximum shall be the equivalent of thirty-six semester-hours. Of this, the work done in the Honors tutorials shall count fifteen hours, six hours for the Junior year, six hours for the Senior year, and three hours for the comprehensive examination at the end of the Senior year.

III. The related work, which shall constitute at least two fifths of the Honors program, that is, the equivalent of twenty-four semester-hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

##### *Prerequisite:*

The minimum requirement for admission to Honors in Religion is the completion of a course in Religion during the Sophomore year on which the student makes at least a grade of "B."

##### *Normal Program:*

The normal program for the Honors student in the Junior year shall consist of the Honors tutorial, two courses in the Department of Religion, and two courses in related departments; in the Senior year the work shall consist of the Honors tutorial, one and one-half courses in Religion, and two in related departments.

##### *General Honors Examinations:*

Two comprehensive written examinations and a supplementary oral examination will be held at the end of the Senior year to test the student's knowledge of the special field in which he has done his Honors work.

### ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR DAVIS, SUPERVISOR OF FRESHMAN INSTRUCTION IN FRENCH; ASSISTANT PROFESSOR HASBROUCK, SUPERVISOR OF FRESHMAN INSTRUCTION IN SPANISH; PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS BRIDGERS, QUINN, REID, AND YOUNG; DR. DOW, MISS RAYMOND, MME. DOW, MR. SINGER; AND ASSISTANTS

#### FRENCH

1-2. Elementary French.—6 s.h.

PROFESSOR WEBB; ASSISTANT PROFESSORS BRIDGERS AND QUINN; DR. DOW

3-4. **French Prose.**—Prerequisites: French 1 and 2, or two years of high-school French. 6 s.h.

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON;  
ASSISTANT PROFESSORS BRIDGERS, DAVIS, AND QUYNN;  
DR. DOW, MISS RAYMOND, AND MME. DOW

51-52. **Introduction to French Literature.**—Prerequisites: French 3 and 4 or equivalent. 6 s.h.

PROFESSORS COWPER AND JORDAN; ASSISTANT PROFESSORS BRIDGERS,  
DAVIS, QUYNN, AND YOUNG; DR. DOW AND MISS RAYMOND

57-58. **Introduction to French Literature.**—Prerequisites: French 3 and 4 or equivalent. 6 s.h. PROFESSOR WEBB AND ASSOCIATE PROFESSOR WALTON

*Students will take course 51-52 or 57-58. They will not take both 51 and 57 or 52 and 58. Total credit in these courses is limited to six semester-hours. They are the basic prerequisites to all higher courses.*

55. **Exercises in Spoken French.**—1 s.h. MME. LINIÈRE DOW

56. **Exercises in Spoken French.**—1 s.h. MME. LINIÈRE DOW  
*55 and 56 may be taken with 51-52 or courses of a higher number.*

87-88. **French Writers of the Romantic Movement.**—6 s.h.  
ASSISTANT PROFESSOR DAVIS

*May not be taken with or in addition to course 108.*

107. **French Composition.**—3 s.h. PROFESSOR COWPER AND MISS RAYMOND

108. **The French Romantic Movement.**—3 s.h.  
PROFESSOR COWPER AND MISS RAYMOND  
*May not be taken with or in addition to course 87-88.*

111. **French Drama since 1850.** ASSISTANT PROFESSOR YOUNG

112. **French Drama since 1850.** ASSISTANT PROFESSOR YOUNG

115. **Balzac and His Age.**—3 s.h. ASSISTANT PROFESSOR BRIDGERS

116. **Balzac and His Age.**—3 s.h. ASSISTANT PROFESSOR BRIDGERS

127. **Advanced French Composition.**—Prerequisite: French 107 or equivalent. 3 s.h. MME. LINIÈRE DOW

128. **Advanced French Composition.**—Prerequisite: French 107 or equivalent. 3 s.h. MME. LINIÈRE DOW

213. **French Classicism.**—From Malherbe to La Bruyère. 3 s.h.  
ASSOCIATE PROFESSOR WALTON

214. **French Classicism.**—From La Bruyère to the Encyclopedists and Beaumarchais. 3 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]

215-216. **The Modern French Novel.**—Prerequisite: 87-88 or 3 s.h. from courses 108 to 116. 6 s.h. PROFESSOR JORDAN

217. **French Phonetics.**—Prerequisite: 3 s.h. from courses 107 or 127-128. 3 s.h. PROFESSOR WEBB

[Not offered in 1940-41]

218. **Materials and Methods.**—Prerequisite: course 107 or equivalent. 3 s.h. First semester. PROFESSOR WEBB

219. **Old French.**—3 s.h. PROFESSOR COWPER

220. Old French.—3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]
227. French Poetry since Théophile Gautier.—3 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]
232. Rousseau and the Beginnings of Romanticism.—3 s.h. PROFESSOR COWPER
233. Main Currents of Modern French Literature.—3 s.h. PROFESSOR WEBB

## ITALIAN

- 181-182. Italian.—6 s.h. PROFESSOR WEBB

## ROMANCE LITERATURE IN TRANSLATION

- 191-192. Masterpieces of Romance Literature in English Translation.—6 s.h. ASSISTANT PROFESSOR HASBROUCK

## SPANISH

- 1-2. Elementary Spanish.—6 s.h. ASSISTANT PROFESSORS DAVIS, HASBROUCK, QUYNN, REID AND YOUNG; DR. DOW AND MR. SINGER
- 3-4. Intermediate Spanish.—Prerequisites: Spanish 1-2 or two years of high-school Spanish. 6 s.h. ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS BRIDGERS, HASBROUCK, QUYNN AND REID
65. Introduction to Modern Spanish Literature.—Prerequisites: Spanish 3-4 or equivalent. 3 s.h. ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS HASBROUCK AND REID
66. Introduction to Spanish Literature of the Golden Age.—Prerequisites: Spanish 65 or equivalent. 3 s.h. ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSOR HASBROUCK
- 155-156. Survey of Spanish American Literature.—Prerequisites: Spanish 65-66 or special permission. 6 s.h. ASSISTANT PROFESSOR REID
- 157-158. The Modern Spanish Theater.—Prerequisites: Spanish 65-66 or 3-4 with permission. 6 s.h. ASSISTANT PROFESSOR HASBROUCK  
[Not offered in 1940-41]
253. Spanish Phonetics.—Prerequisites: Spanish 65-66. (Enrollment limited to fifteen students.) 3 s.h. ASSOCIATE PROFESSOR LUNDEBERG
254. Materials and Methods.—Prerequisites: Spanish 65-66. 3 s.h. ASSISTANT PROFESSOR REID  
[Not offered in 1940-41]
260. Advanced Syntax and Composition.—Prerequisite: Spanish 65-66. (Enrollment limited to fifteen students.) 3 s.h. ASSISTANT PROFESSOR REID
- 261-262. The Modern Spanish Novel.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h. ASSOCIATE PROFESSOR LUNDEBERG
265. Golden Age Literature: Cervantes.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h. ASSOCIATE PROFESSOR LUNDEBERG  
[Not offered in 1940-41]
266. Golden Age Literature: The Don Juan Theme.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h. ASSOCIATE PROFESSOR LUNDEBERG  
[Not offered in 1940-41]

**DEPARTMENTAL MAJOR**

*Prerequisites:* French 1-2, 3-4, or equivalent, for French. Spanish 1-2, 3-4, or equivalent, for Spanish.

*Major Requirements:* In French, twenty-four semester-hours of work must be completed in courses above the Freshman level, and must include: (a) six semester-hours from the group 107, 127-128, 217; (b) six semester-hours of literature in courses numbered 213 to 233. Students desiring the recommendation of the Department for the teaching of French will take in addition French 218.

In Spanish, twenty-four semester-hours must be completed as follows: twelve semester-hours in the courses 65-66, 155-156, 157-158; twelve semester-hours from the group 253-254, 260, 261-262, 265-266.

**DEPARTMENTAL HONORS PROGRAM**

*Prerequisites:* Completion of 51-52 or 57-58 by the end of Sophomore year in a manner satisfactory to the Departmental Committee.

Honors work in French includes:

(a) Training in the use of written and oral French; composition, résumé, and literary commentary in French. 3 s.h. each semester of Junior and Senior years, total 12 s.h.

(b) Readings in French literature.

(1) Survey of chief authors. 3 s.h. each semester or 12 s.h.

(2) Genre studies beginning with the modern novel. 3 s.h. each semester or 12 s.h.

(c) Comprehensive examination.

(d) Related work: 24 s.h.

**SOCIOLOGY**

PROFESSOR ELLWOOD, CHAIRMAN; PROFESSOR JENSEN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR HART; ASSISTANT PROFESSOR THOMPSON

91-92. General Sociology.—6 s.h. PROFESSOR THOMPSON

101. General Sociology.—5 s.h. PROFESSOR ELLWOOD

102. General Sociology.—5 s.h.

109. Sociology of the South.—Prerequisite: course 91-92 or 101. 3 s.h.  
ASSISTANT PROFESSOR THOMPSON

111. Introduction to Child Welfare.—Prerequisite: course 91-92 or 101.  
3 s.h. PROFESSOR JENSEN

114. Race Relations.—Prerequisite: course 91-92 or 101. 3 s.h.  
ASSISTANT PROFESSOR THOMPSON

121. Personality and Human Values.—Prerequisites: Sociology 91-92 or  
101. 3 s.h. PROFESSOR HART

122. Personality and Culture.—Prerequisites: Sociology 91-92 or 101.  
3 s.h. PROFESSOR HART

205. Social Pathology.—Prerequisite: Course 91-92 or 101. 3 s.h.  
PROFESSOR JENSEN

206. Criminology.—Prerequisite: course 91-92 or 101. 3 s.h.  
PROFESSOR JENSEN

212. Child Welfare.—Prerequisite: course 91-92 or 101. 3 s.h.  
[Not offered in 1940-41] PROFESSOR JENSEN

213. Constructive Social Policies.—Prerequisite: course 91-92 or 101.  
2 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]
219. Urban Sociology.—Prerequisite: course 91-92 or 101. 3 s.h.  
ASSISTANT PROFESSOR THOMPSON
220. Rural Sociology.—Prerequisite: course 91-92 or 101. 3 s.h.  
ASSISTANT PROFESSOR THOMPSON
227. Emigration and Immigration.—Prerequisite: course 91-92 or 101.  
3 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]
231. General Anthropology.—Prerequisite: course 91-92 or 101. 3 s.h.  
PROFESSOR HART
232. Cultural Anthropology.—Prerequisite: course 91-92 or 101. 3 s.h.  
[Not offered in 1940-41] PROFESSOR HART
233. The World Crisis in the Light of Social Anthropology.—3 s.h.  
[Not offered in 1940-41] PROFESSOR HART
234. Social Ethics.—3 s.h. PROFESSOR HART
238. The American Indian.—3 s.h.  
[Not offered in 1940-41]
- 241-242. Marriage and the Family.—Prerequisite for undergraduate credit:  
Sociology 91-92 or 101. 2 s.h. PROFESSOR HART  
[Not offered in 1940-41]
252. Education and Social Control.—2 s.h. PROFESSOR ELLWOOD

#### DEPARTMENTAL MAJOR

Students desiring to take a major in sociology are required to complete course 91-92 or 101 or 102 and twelve additional hours in the Department, at least six of which must be from courses numbered 200 or over.

#### ZOOLOGY

PROFESSOR PEARSE, CHAIRMAN; ASSOCIATE PROFESSOR GRAY, DIRECTOR OF UNDERGRADUATE STUDIES; DR. BOOKHOUT, SUPERVISOR OF FRESHMAN INSTRUCTION; DR. JEFFERS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); PROFESSORS CUNNINGHAM, HALL, HARGITT; DRs. CULBRETH, JOHNSON, TUCKER, AND WHARTON; AND ASSISTANTS

1. General Zoology.—A brief survey of the animal kingdom. 4 s.h.  
DRs. BOOKHOUT AND JEFFERS; DRs. CULBRETH, JOHNSON, WHARTON, AND TUCKER; AND ASSISTANTS
2. Animal Biology.—Prerequisite: Zoology 1. 4 s.h.  
ASSOCIATE PROFESSOR GRAY AND DR. JEFFERS; DRs. BOOKHOUT, CULBRETH, TUCKER, AND WHARTON; AND ASSISTANTS
53. Comparative Vertebrate Anatomy.—Prerequisites: Zoology 1 and 2.  
4 s.h. ASSOCIATE PROFESSOR GRAY AND DR. CULBRETH;  
DRS. TUCKER AND WHARTON
92. General Embryology.—Prerequisite: Zoology 53. 4 s.h.  
PROFESSOR CUNNINGHAM AND DR. JEFFERS; DR. JOHNSON
109. Evolution.—Prerequisite: two years of zoology. 2 s.h. DR. JOHNSON
110. Introduction to Genetics.—Prerequisite: one year of zoology. 2 s.h.  
DR. JOHNSON
151. Comparative Physiology.—Prerequisite: Zoology 53. 4 s.h.  
PROFESSOR HALL AND DR. CULBRETH; AND ASSISTANTS



156. Vertebrate Histology.—Prerequisite: Zoology 53. 4 s.h.  
PROFESSOR HARGITT
161. Animal Parasites.—Prerequisite: one year of zoology. 4 s.h.  
PROFESSOR PEARSE
174. Invertebrate Zoology.—Prerequisites: Zoology 1 and 2. 4 s.h.  
DR. BOOKHOUT

## FOR SENIORS AND GRADUATES

204. Advanced Parasitology.—Prerequisite: Zoology 161. 3 or 4 s.h.  
PROFESSOR PEARSE
- 219, 220. Special Problems.—Not more than 4 s.h. STAFF
222. Entomology.—Prerequisite: one year of zoology. 4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR GRAY
224. Vertebrate Zoology.—Prerequisite: Zoology 53. 4 s.h.  
ASSOCIATE PROFESSOR GRAY
229. Endocrinology.—Prerequisites: Zoology 53 and 92. 3 or 4 s.h.  
PROFESSOR CUNNINGHAM
256. Seminar: Current Developments in Physiological Zoology.—Prerequisite: Zoology 151. 2 s.h.  
PROFESSOR HALL

## RELATED COURSES WHICH MAY BE COUNTED TOWARD A MAJOR IN ZOOLOGY

- Botany 101. Principles of Heredity.—3 or 4 s.h.  
ASSISTANT PROFESSOR PERRY
- Botany 103. General Bacteriology.—4 s.h. PROFESSOR WOLF
- Botany 202. Genetics.—4 s.h. ASSISTANT PROFESSOR PERRY

## DEPARTMENTAL MAJOR

*Prerequisites:* Zoology 1 and 2.

*Major Requirements:* Twenty-four semester-hours including courses 53, 92, and 151. The remaining twelve hours may be from any other courses for which the student is eligible.

## DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in zoology a student is expected to have completed zoology courses 1, 2, 53, and 92 and not less than eight semester-hours of chemistry.

Honors work consists of regular courses and independent study; the program, however, will not be the same for all students. Zoology 151 is required of all zoology majors; the number and nature of other courses to be taken in zoology and in related subjects will depend upon the needs and interests of the student. The usual number of semester courses will be four to six in zoology and six in other subjects in the Natural Science Group.

In addition to regular courses each student shall read in such fields as history of biology and zoological theories, or in special fields, and shall undertake a special research problem under the direction of some member of the Staff whom the student may select. The student may be asked to prepare written reports on his readings and must present a written report on his research problem. Readings and problem count for nine to twelve semester-hours.

At the end of the Junior year an examination will be given to test the student's ability to correlate material and to determine his fitness to continue in the Honors Group. At the end of the Senior year a general comprehensive examination covering the entire field of study must be passed.



# THE COLLEGE OF ENGINEERING

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## ADMISSION

Admission to the College of Engineering of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. Prospective students and relatives are invited to visit the University and the College of Engineering in particular. This would be advantageous to the applicant since it would enable him to acquaint himself with the facilities of the University, and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer \$5.00 additional for the privilege of matriculation.

An applicant for admission to the Freshman Class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

	UNITS		UNITS
English .....	4	Botany .....	1
Latin .....	4	Zoology .....	1
Greek .....	3	General Biology .....	1
German .....	3	Physical Geography .....	1
French .....	3	General Science .....	1
Spanish .....	3	Agriculture .....	2
Mathematics .....	4	Mechanical Drawing .....	2
History and Civics .....	4	Woodwork, Forging, and Machine Work .....	2
Physics .....	1	Household Economics .....	2
Chemistry .....	1	Commercial Subjects .....	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

## ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made

out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one-half of the fifteen units required for admission must come from the following:

*Required Units*

English .....	3 units
Foreign Language .....	2 units
*Science .....	1 unit
History .....	1 unit
**Algebra .....	1½ or 2 units
Plane Geometry .....	1 unit

*Elective Units*

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

Algebra .....	½ unit
Solid Geometry .....	½ unit
Trigonometry .....	½ unit
†German or French or Latin or Spanish or Greek .....	1 to 4 units
History or Civics (not the required unit).....	1 to 3 units
Physics or Chemistry or Biology (not the required unit) .....	1 to 3 units

**ADMISSION BY EXAMINATION**

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable, are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

**ADMISSION TO ADVANCED STANDING**

Students may be admitted to advanced standing from other approved institutions under the following conditions: All applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institu-

\* Wherever possible physics or chemistry should be offered for this requirement.

\*\* Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

tions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer \$5.00 additional for the privilege of matriculating.

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#### FEES AND EXPENSES

Information as to fees and expenses and room accommodations applicable to the College of Engineering is given, along with similar information for Trinity College and the Woman's College, on pages 134-135.

# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL OR MECHANICAL ENGINEERING

## GENERAL STATEMENT

The studies for the degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering are designed for students who are preparing for civil, electrical, or mechanical engineering, as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E.

Each of these degrees requires one hundred and thirty-eight semester-hours of work of which one hundred and twenty-two must be completed with an average grade of "C." Six semester-hours of electives must be taken in the Department of Economics or of Political Science. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students should note that immediately after the final examinations in May or June a three-weeks course in surveying is given under the direction of the Summer School. This course is required of all civil engineering students at the end of their Freshman year and is required of all other engineering students before graduation.

## GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

### GROUP I

#### CIVIL ENGINEERING

##### *Freshman Year*

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Mathematics 9 .....	5	Mathematics 10 .....	5
Chemistry 1 .....	4	Chemistry 2 .....	4
English 1 .....	3	English 2 .....	3
Physics 17 .....	3	Physics 18 .....	3
Drawing 1 .....	2	Drawing 2 .....	2
Physical Education .....	2	Physical Education .....	2
	17		17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

##### *Sophomore Year*

Mathematics 59 .....	4	Mathematics 60 .....	4
Physics 57 .....	3	Physics 58 .....	3
Statics 7 .....	3	Kinetics 8 .....	2
Surveying 11 .....	2	Materials 118 .....	3
Highways 15 .....	3	Highways 117 .....	2
Economics 51 .....	3	Economics 52 .....	3
Physical Education .....	2	Physical Education .....	2
	18		17

*Junior Year*

Strength of Materials 107 .....	4	Hydraulics 108 .....	4
Curves and Earthwork 113 .....	2	Curves and Earthwork 114 .....	2
Structures 131 .....	4	Structures 132 .....	4
Engineering Elective .....	3	Engineering Elective .....	3
Elective .....	3	Elective .....	3
	<hr/>		<hr/>
	16		16

*Senior Year*

Hydraulic Eng. 123 .....	4	Hydraulic Eng. 124 .....	4
Concrete 133 .....	3	Concrete 134 .....	3
Railroads 119 .....	3	Railroads 120 .....	2
Seminar 137 .....	1	Seminar 138 .....	1
Electives .....	6	Astronomy 112 .....	2
	<hr/>	Electives .....	5
	17		<hr/>
			17

**GROUP II**

## ELECTRICAL ENGINEERING

*Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9 .....	5	Mathematics 10 .....	5
Chemistry 1 .....	4	Chemistry 2 .....	4
English 1 .....	3	English 2 .....	3
Physics 17 .....	3	Physics 18 .....	3
Drawing 1 .....	2	Drawing 2 .....	2
Physical Education .....		Physical Education .....	
	<hr/>		<hr/>
	17		17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

*Sophomore Year*

Mathematics 59 .....	4	Mathematics 60 .....	4
Physics 57 .....	3	Physics 58 .....	3
Statics 7 .....	3	Kinetics-Mechanism 82 .....	4
Electrical Engineering 51 .....	3	Electrical Engineering 52 .....	3
Economics 51 .....	3	Economics 52 .....	3
Steam Engineering 85 .....	2	Physical Education .....	
Physical Education .....			
	<hr/>		<hr/>
	18		17

*Junior Year*

Theory of D. C. Circuits 151 .....	3	Theory of A. C. Circuits 152 .....	3
Hydraulics 108 .....	4	Strength of Materials 107 .....	4
Electrical Circuits Lab. 161 .....	1	Electrical Circuits Lab. 162 .....	1
Heat Power Eng. 181 .....	3	Heat Power Eng. 182 .....	3
Differential Equations 131 .....	3	Electrical Measurements 104 .....	3
Mechanical Engineering		Mechanical Engineering	
Laboratory 199 .....	1	Laboratory 200 .....	1
	<hr/>		<hr/>
	15		15

*Senior Year*

A. C. Machinery 257 .....	3	A. C. Machinery 258 .....	3
Electric-Pow. Trans. 159 .....	3	Electric-Pow. Stations 158 .....	3
Communication 261 .....	3	Communication 262 .....	4
D. C. Machinery 155 .....	2	Seminar 166 .....	1
D. C. Machinery Lab. 163 .....	1	Electives .....	6
Seminar 165 .....	1		
Electives .....	6		
	<hr/>		<hr/>
	19		17

**GROUP III**

MECHANICAL ENGINEERING

*Freshman Year*

FIRST SEMESTER

SECOND SEMESTER

	S.H.		S.H.
Mathematics 9 .....	5	Mathematics 10 .....	5
Chemistry 1 .....	4	Chemistry 2 .....	4
English 1 .....	3	English 2 .....	3
Physics 17 .....	3	Physics 18 .....	3
Drawing 1 .....	2	Drawing 2 .....	2
Physical Education .....		Physical Education .....	
	<hr/>		<hr/>
	17		17

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

*Sophomore Year*

Mathematics 59 .....	4	Mathematics 60 .....	4
Physics 57 .....	3	Physics 58 .....	3
Statics 7 .....	3	Kinetics-Mechanism 82 .....	4
Constructive Processes 79 .....	3	Steam Engineering 86 .....	3
Economics 51 .....	3	Economics 52 .....	3
Physical Education .....		Physical Education .....	
	<hr/>		<hr/>
	16		17

*Junior Year*

Hydraulics 185 .....	3	Machine Design 170 .....	3
Strength of Materials 107 .....	4	Internal Comb. Engines 186 .....	3
Electrical Engineering 153 .....	3	Electrical Engineering 154 .....	3
Thermodynamics 187 .....	3	Thermodynamics 188 .....	3
Mechanical Engineering Laboratory 189 .....	1	Mechanical Engineering Laboratory 190 .....	2
Elective .....	3	Elective .....	3
	<hr/>		<hr/>
	17		17

*Senior Year*

Machine Design 171 .....	3	Aeronautics 198 .....	3
Power Plants 191 .....	3	Industrial Engineering 192 .....	3
Mech. Eng. Laboratory 193 .....	2	Mech. Eng. Laboratory 194 .....	2
Heating and Air Conditioning 195	3	Refrigeration 196 .....	2
Seminar 173 .....	1	Seminar 174 .....	1
Electives .....	5	Electives .....	6
	<hr/>		<hr/>
	17		17



## COURSES OF INSTRUCTION THE COLLEGE OF ENGINEERING

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*NOTE: Courses primarily for Freshmen and Sophomores are numbered from 1 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and graduates from 200 to 299. The amount of credit for each course is given in semester hours following the description of the course.*

*Odd-numbered courses are offered in the fall semester and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.*

*This is a condensed description of courses. For a full description, see the Bulletin of the College of Engineering.*

### GENERAL ENGINEERING

PROFESSOR HALL, DEAN; PROFESSOR BIRD, CHAIRMAN CIVIL ENGINEERING; PROFESSOR SEELEY, CHAIRMAN ELECTRICAL ENGINEERING; PROFESSOR WILBUR, CHAIRMAN MECHANICAL ENGINEERING; ASSISTANT PROFESSORS MEIER, REED, AND WATSON; MESSRS. CHAPMAN, KRABILL, PIGAGE, THEISS, VAIL, AND WILLIAMS

- |   |                 |
|---|-----------------|
| 1-2. Engineering Drawing.—4 s.h.                                  | MR. PIGAGE      |
| 5. Descriptive Geometry.—2 s.h.                                   | MR. PIGAGE      |
| 7. Statics.—Prerequisites: courses 1 and 2, Mathematics 9 and 10. | 3 s.h.<br>STAFF |
| 8. Kinetics.—Prerequisites: course 7, and Mathematics 59.         | 2 s.h. STAFF    |
| 107. Strength of Materials.—Prerequisite: course 7.               | 4 s.h. STAFF    |
| 108. Hydraulics.—Prerequisite: course 7.                          | 4 s.h. STAFF    |

### CIVIL ENGINEERING

PROFESSORS BIRD AND HALL; ASSISTANT PROFESSOR WATSON;  
MR. WILLIAMS

- |   |                                   |
|---|-----------------------------------|
| S10. Plane Surveying.—Prerequisites: course 1, and Trigonometry.            | 3 s.h.                            |
| 11. Higher Surveying.—Prerequisite: course 10.                              | 2 s.h. MR. WILLIAMS               |
| S110. Plane Surveying.—Prerequisites: Engineering Drawing and Trigonometry. | 3 s.h.                            |
| 111. Higher Surveying.—Prerequisite: course 10 or 110.                      | 3 s.h.                            |
| 112. Field Astronomy.—Prerequisite: course 11.                              | 2 s.h. PROFESSOR BIRD             |
| 113-114. Curves and Earthwork—Highways.—Prerequisite: course 10.            | 4 s.h. ASSISTANT PROFESSOR WATSON |
| 15. Highway Engineering.—3 s.h.   | PROFESSOR HALL                    |
| 117. Highway Engineering.—Prerequisite: course 15.                          | 2 s.h. ASSISTANT PROFESSOR WATSON |

118. Materials of Engineering.—2 or 3 s.h. MR. WILLIAMS
- 119-120. Railroad Engineering.—Prerequisite: course 113-114. 5 s.h.  
ASSISTANT PROFESSOR WATSON
- 123-124. Hydraulic Engineering.—Prerequisite: course 108. 8 s.h.  
PROFESSOR HALL
131. Steel Structures—Stresses.—Prerequisite: course 7. 4 s.h.  
PROFESSOR BIRD
132. Steel Structures—Design.—Prerequisites: courses 107 and 131. 4 s.h.  
PROFESSOR BIRD
133. Reinforced Concrete.—Prerequisite: course 107. 3 s.h.  
PROFESSOR BIRD
134. Masonry Structures.—Prerequisites: courses 107 and 133. 3 s.h.  
PROFESSOR BIRD
- 137-138. Seminar.—2 s.h. STAFF
- 143-144. Projects in Civil Engineering.—3-6 s.h. STAFF
- E.240. Indeterminate Structures.—Prerequisites: course 131 and ability  
to read French or German. 3 s.h. PROFESSOR BIRD

## ELECTRICAL ENGINEERING

PROFESSOR SEELEY; ASSISTANT PROFESSOR MEIER;  
MESSRS. KRAYBILL AND VAIL

- 51-52. Survey of Electrical Engineering.—Prerequisites: Freshmen mathematics and concurrent physics. 6 s.h. ASSISTANT PROFESSOR MEIER
151. Theory of Direct Current Circuits.—Prerequisites: course 51-52, Physics 57-58, Mathematics 59, 60. Mathematics 131 should be taken concurrently. 3 s.h. MR. VAIL
152. Theory of Alternating Current Circuits.—Prerequisites: course 151, Mathematics 131. 3 s.h. MR. VAIL
- 153-154. Principles of Electrical Engineering.—Prerequisite: Physics 57-58. 6 s.h. MESSRS. KRAYBILL AND VAIL
155. Direct Current Machinery.—Prerequisites: courses 151, 161-162. 2 s.h. ASSISTANT PROFESSOR MEIER
156. Electric Transportation.—Prerequisites: courses 151, 152, 161-162, or 153-154. 3 s.h. MR. KRAYBILL
158. Electric-Power Stations.—Prerequisites: courses 151, 152, and 187-188. 3 s.h. MR. VAIL
159. Electric-Power Transmission.—Prerequisites: courses 151, 152. 3 s.h. PROFESSOR SEELEY
- 161-162. Electrical Circuits Laboratory.—2 s.h. PROFESSOR SEELEY AND MR. VAIL
163. Direct Current Machinery Laboratory.—1 s.h. ASSISTANT PROFESSOR MEIER AND MR. KRAYBILL
- 165-166. Electrical Engineering Seminar.—2 s.h. STAFF
- 257-258. Alternating Current Machinery.—Prerequisites: courses 152, 155. 6 s.h. ASSISTANT PROFESSOR MEIER

261. **Communication Engineering, Audio Frequency.**—Prerequisites: courses 151, 152, Mathematics 131. 3 s.h. PROFESSOR SEELEY
262. **Communication Engineering, Radio Frequency.**—Prerequisite: course 261. 4 s.h. PROFESSOR SEELEY
- 263-264. **Mathematical Analysis of Electrical Circuits.**—Prerequisites: courses 151, 152 and Mathematics 131. 6 s.h. PROFESSOR SEELEY
- E.265-266. **Projects in Electrical Engineering.**—3-6 s.h. PROFESSOR SEELEY AND STAFF

### MECHANICAL ENGINEERING

PROFESSOR WILBUR; ASSISTANT PROFESSOR REED; MESSRS. CHAPMAN, PIGAGE, AND THEISS

79. **Constructive Processes.**—Prerequisite: Chemistry 2. 3 s.h. MR. CHAPMAN
82. **Kinetics-Mechanism.**—Prerequisites: G. E. 2, G. E. 7, Mathematics 59. Corequisite: Mathematics 60. 4 s.h. ASSISTANT PROFESSOR REED; MESSRS. CHAPMAN AND PIGAGE
85. **Steam Engineering.**—Prerequisite: Physics 18. 2 s.h. MR. PIGAGE
86. **Steam Engineering.**—Prerequisite: Physics 18. 3 s.h. MESSRS. CHAPMAN, PIGAGE, AND THEISS
- 170-171. **Machine Design.** Prerequisites: G. E. 107, M. E. 79, M. E. 82. 6 s.h. ASSISTANT PROFESSOR REED AND MR. CHAPMAN
- 173-174. **Seminar.**—2 s.h. STAFF
- 175-176. **Projects in Mechanical Engineering.**—3 s.h. PROFESSOR WILBUR AND STAFF
- 181-182. **Heat Power Engineering.**—Prerequisites: M. E. 85, Mathematics 60. 6 s.h. ASSISTANT PROFESSOR REED
185. **Hydraulics.**—Prerequisite: course 82. 3 s.h. PROFESSOR WILBUR AND MR. CHAPMAN
186. **Internal Combustion Engines.**—Prerequisite: M. E. 187. 3 s.h. PROFESSOR WILBUR
- 187-188. **Engineering Thermodynamics.**—Prerequisite: course 86 and Mathematics 60. 6 s.h. PROFESSOR WILBUR AND MR. THEISS
- 189-190. **Junior Mechanical Engineering Laboratory.**—Prerequisites: course 86 and course 187-188 concurrently. 3 s.h. MR. THEISS
191. **Power Plant Calculations.**—Prerequisites: M. E. 187-188 or 181-182. 3 s.h. PROFESSOR WILBUR
192. **Industrial Engineering.**—3 s.h. MR. PIGAGE
- 193-194. **Senior Mechanical Engineering Laboratory.**—Prerequisite: M. E. 190. Corequisites: M. E. 191, M. E. 195, M. E. 196. 4 s.h. MR. THEISS
195. **Heating and Air Conditioning.**—Prerequisites: M. E. 188 or M. E. 182. 3 s.h. ASSISTANT PROFESSOR REED
196. **Refrigeration.**—Prerequisites: M. E. 188 or M. E. 182, and M. E. 190 or M. E. 200. 2 s.h. ASSISTANT PROFESSOR REED
198. **Aeronautics.**—Prerequisites: courses 171 and 185. 3 s.h. MR. CHAPMAN
- 199-200. **Junior Mechanical Engineering Laboratory.**—Prerequisite: M. E. 85. MR. THEISS

## GENERAL REGULATIONS

### TRINITY COLLEGE, WOMAN'S COLLEGE, AND COLLEGE OF ENGINEERING

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The academic year is divided into two semesters. The first semester of the academic year 1940-41 begins September 18; the second, February 1. Commencement is held on Monday after the first Sunday in June. Commencement Day, 1941, is June 2.

#### MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission. Cards of admission must be presented at the Treasurer's Office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card.

#### COURSE CARDS

Members of the Freshman, Sophomore, and Junior classes are required to submit to the Dean, not later than the date of spring registration, cards showing their selection of courses for the following year. These cards must be approved by the Dean. After being approved, the cards must be filed for permanent record in the Dean's Office.

#### EXAMINATIONS

Mid-year and final examinations are held in all subjects in January and May, respectively. The examination record combined with the record made in class constitutes the student's final grade.

#### REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty:

Grades shall be reported so as to indicate one of four things:

(1) *Passed.* A grade "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students (with incomplete grades) who have not satisfied

the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of \$3.00 to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused, and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades) who have not satisfied the requirements of the department concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

#### EXPLANATION OF QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester-hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each semester-hour of credit. The grade "A" gives three quality-points for each semester-hour of credit; the grade "B" two quality-points; the grade "C" one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester-hour of failure. Credit for 122 quality-points, exclusive of those earned in physical education, is required for the degree of Bachelor of Arts or Bachelor of Science in all groups

#### NUMBER OF HOURS OF CLASSWORK

No undergraduate student is allowed to take less than fourteen hours of classwork a week without special permission of the Dean.

No undergraduate student may take more than seventeen semester-hours of work in one semester, if he fails to make eighteen quality-points on the work of the preceding semester.

#### CLASS STANDING

For a student to rank as a Sophomore, he must have to his credit twenty-four semester-hours with an average grade of "C"; as a Junior, fifty-six semester-hours with an average grade of "C"; as a Senior, ninety semester-hours, with an average grade of "C."



### SENIOR WORK

A student of the Senior Class, irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete his work of the Senior year with an average grade of "C" or better.

### EXCLUSION FOR FAILURE

A student of the Freshman Class entering college for the first time is not permitted to remain in the University in the second semester unless he passes as much as six semester-hours of the work of the first semester; any other student is not permitted to remain in the University in the second semester unless he passes as much as nine semester-hours of work in the first semester.

A student of the Freshman Class is not permitted to re-enter in September, nor to enter Summer School, if he did not pass at least six semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year; any other student is not permitted to re-enter in September, nor to enter the Summer School, if he did not pass at least nine semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year.

### STUDENTS TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester-hours with which they are credited, provided their grades warrant it.

### DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty:

1. Any Freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 53 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

3. Whenever the work of a student in any subject is satisfactory to an instructor except for gross errors in English, the instructor concerned may hand in a provisional grade only. This grade may not be recorded in the college files until the student shall have improved his work in composition to the satisfaction of the English Department. A list of such provisional grades, along with evidence of deficiencies, shall be furnished the English Department each term by the officers in charge of the grades, and a report shall be made by this department when the deficiencies shall have been removed.

4. All instructors are requested to advise their students each semester concerning these regulations.



### CANDIDATES FOR ACADEMIC DEGREES

1. A tentative list of all candidates for the Bachelor's degree shall be prepared under the supervision of the Dean of the College as early in the college year as possible, shall be read by him to the Faculty at its first regular meeting in October, shall be furnished in copy to each department of instruction for information and reference, and also shall be posted in copy on the official bulletin board of the University for the information of the students concerned.

2. Copies of a second such tentative list likewise shall be prepared, read, and distributed by April 15.

3. A final list of all candidates for the degree shall be read by the Dean to the Faculty at its first regular meeting in May and shall be adopted by the Faculty as the final list. After the adoption of this list no name may be added to it.

4. Students who during Summer School complete the requirements for a degree shall be classified for graduation as of the year following the Summer School in which the work was completed, and their name shall so appear in the catalogue of the University and on the Commencement Program.

### THE DEAN'S LIST

Students of the Junior and Senior classes who, at the mid-year or final examinations, have attained in Duke University an average of "B" in their courses of the half-year just closed and who have not received a grade of "F" in any course may be placed on the Dean's List for the succeeding half-year. The privilege of the Dean's List is also extended to eligible members of the Sophomore Class during their second semester.

The name of a student may be withdrawn from the List at any time by the Dean, if the student fails to maintain a satisfactory standard of scholarship and conduct.

Students whose names are on the Dean's List will not be subject to the general regulations of the University governing class attendance. This privilege, however, may not be exercised in courses primarily open to Freshmen. Furthermore, such students are required to be present at the meeting of classes immediately before and after any holiday, unless they are excused by the Dean of the College.

If for any reason a student is removed from the Dean's List during, or at the close of, the second semester of his Junior year, his name may not be reinstated on the List.

### CLASS ATTENDANCE AND ABSENCES

Regular and punctual attendance in classwork is required of all students not on the Dean's List.

**ASSEMBLY AND CLASS MEETINGS****TRINITY COLLEGE AND COLLEGE OF ENGINEERING**

There shall be held on the first Thursday of each month of the college year in Page Auditorium, from 12:30 P.M. to 12:50 P.M., an assembly of all Seniors, Juniors, Sophomores and Advanced Freshmen of Trinity College, and at this period of the day separate meetings of these four groups on the second, third, and fourth Mondays, Tuesdays, or Thursdays of each month. There shall be a class meeting of the Freshman Class on each Saturday of every month at the time named above. The Engineering assemblies are held on the first Wednesday of each month from 12:30 P.M. to 12:50 P.M.

Attendance upon all of these meetings is compulsory for all students involved. Any student incurring in a semester a total of more than four absences from them automatically excludes himself from college.

**WOMAN'S COLLEGE**

An assembly is held each Tuesday, Wednesday, and Thursday in the Woman's College Auditorium. The hour is 12:30 P.M. on Tuesday, 12:40 P.M. on Wednesday and Thursday. Freshmen and transfer Sophomores are required to attend each day, Sophomores on Wednesday and Thursday, and Juniors and Seniors on Thursday. A meeting of the Freshman Class is held each Monday at the assembly hour, and the other classes meet at appointed times.

Attendance upon all of these meetings is compulsory for all students involved.

**SCHOLASTIC REGULATIONS FOR ATHLETIC AND OTHER ORGANIZATIONS**

The following regulations have been adopted by the Faculty:

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the opinion of the Dean, he is not doing satisfactorily his current work.

Duke University is a member of the Southern (Athletic) Conference and observes the following scholastic requirement of that Conference:

"The scholastic requirement for eligibility to participate in varsity intercollegiate sports shall be for 1940-41 the passing by the applicant of a minimum of twenty-one semester-hours or thirty quarter-hours of the work of his immediately preceding year in college; thereafter the passing of twenty-four semester-hours or

thirty-six quarter-hours of the said work; with the proviso that graduate students and students in the schools of law and medicine become scholastically eligible on the certificate of the deans of their schools."

### THE ATHLETIC COUNCIL

The Board of Trustees, at its regular annual meeting in June, 1907, created an Athletic Council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This committee alone has the responsibility of enforcing the scholastic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed elsewhere in this catalogue.

The Executive Committee of the Athletic Council is composed of the Chairman of the Faculty Committee on Athletics, and one other Faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and toward student bodies of other educational institutions; through athletic sports to help cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the Council recommends to the President of the University persons to serve as Graduate Manager of Athletics and as coaches in the various sports. However, the election of such persons rests solely with the Trustees of the University or the Executive Committee of the University, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the Treasurer of the University. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

### REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Committee on Public Lectures. All dates and programs must be approved by this council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.

**HEALTH AND PHYSICAL EDUCATION**

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

**MEDICAL CARE**

With the exceptions noted below, full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of \$5.00 payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University Physician with the co-operation of the Staffs of the Infirmaries (one on each campus) and the University Hospital. It includes hospitalization (limited to thirty days), medical and surgical care, drugs, dressings, X-ray work, and ward, but not special, nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic and pre-existing conditions, such as diseased tonsils, hernias, elective surgery, chronic skin conditions, endocrine disturbances, etc., or accidents or illnesses occurring during vacations or while off the campus, are not included in this service. The cost of any necessary braces and orthopaedic appliances, as well as of special nursing, must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have the attention of the Director at his two daily visits to the Infirmaries, which have day and night nurses on duty. Students developing serious conditions are promptly transferred from the Infirmaries to the University Hospital, where they come under the care of the Staff of the Hospital.

**PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS  
TRINITY COLLEGE; THE COLLEGE OF ENGINEERING**

The University requires all students to engage in some type of physical activity for two years or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative Freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, lacrosse, wrestling, tennis, and golf.

**WOMAN'S COLLEGE**

All students are required to take courses in physical education the first three years.

The physical education department aims to give all students an appreciation of the value of activity for general physical well-being, skill in one or more activities which can be enjoyed as recreation after college, a well-developed and well-coordinated body, and a knowledge of good posture and efficient handling of the body in everyday activities.

A medical and physical examination is required of each student upon entrance, and follow-up examinations are used as a basis for determining the type of physical exercise a student should take and any corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities.

**PUBLICATIONS COUNCIL**

The student publications of the University are under the control of a council that was established in 1924 and reorganized by the Executive Committee of the University in 1935, and is constituted as follows: three (3) members from the University Staff appointed by the President of the University; two (2) members from the alumni appointed by the President of the University; six (6) men from the Junior and Senior classes, elected by the students in Trinity College; four (4) women from the Junior and Senior classes, elected by the students in the Woman's College; and three (3) editors and three (3) managers of student publications, ex officio members without any voting power. With the advice of the Council, the President of the University appoints each year for each publication an advisory committee of three (3) members from the Staff of the University.

No student publication can be started at the University without the approval of the Council.

**RELIGIOUS EXERCISES**

Chapel exercises are conducted on Tuesday, Wednesday, and Friday throughout the academic year at 12:30 P.M. on the campus for men; and, on the campus for women, at 12:30 P.M. on Tuesday and 12:40 P.M. on Wednesday and Thursday. Preaching services are held on Sunday at 11:00 A.M. in the University Chapel. Organ recitals are given on Sunday afternoons. In the summer carillon and organ recitals are given twice a week.



## UNIVERSITY LECTURES

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### THE AVERA BIBLE LECTURES

The Avera Bible Fund was established in 1897 in honor of the late W. H. Avera by his wife, who donated \$2500 for this purpose. The income from this amount is used to establish a lectureship and to provide a collection of books on Biblical Literature.

### JOHN MCTYEIRE FLOWERS LECTURES

The John McTyeire Flowers Lectures, established by Mr. B. N. Duke as a memorial to John McTyeire Flowers, a young alumnus of Trinity College who died in the Far East in 1905, were inaugurated in 1921.

### UNIVERSITY LECTURE SERIES

The University Series of Lectures is given each year. These lectures are under the supervision of the Committee on Public Lectures of the faculty.

### DUKE UNIVERSITY DAY

In commemoration of the signing by the late James B. Duke, on December 11, 1924, of the Indenture of Trust creating the Duke Endowment, under which Trinity College was expanded into Duke University, appropriate exercises are held on Duke University Day at the University. Various local alumni groups celebrate the anniversary in connection with their annual meetings, some of which are held on December 11 but most of them on other dates during the Fall.



## ALUMNI ORGANIZATIONS

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### GENERAL ALUMNI ASSOCIATION

The Alumni Association of Duke University is composed of the male graduates and former students of Trinity College and Duke University. The Association gives its annual luncheon on Monday of Commencement Week at which a message of greeting is given by a representative of the class holding its twenty-fifth anniversary reunion. The annual business meeting of the Association is held at this time.

### GENERAL ALUMNAE ASSOCIATION

The Alumnae Association of Duke University is composed of the women graduates and former students of Trinity College and Duke University. The Association joins with the Alumni Association in the annual luncheon on Monday of Commencement Week, holding its annual business meeting immediately afterward.

### GENERAL ALUMNI COUNCIL

To give definite direction and supervision in the campaign for the erection of the Alumni Memorial Gymnasium, and for other purposes, an Alumni Council was provided for at the June, 1919, meeting of the Alumni Association. Since that time the Council has developed into a working body for the promotion of alumni interests by reason of its size and frequency of meetings. The membership is made up of representatives from local associations; class representatives, elected by reunion classes on the occasion of their fifth anniversary, or a multiple thereof; and officers of the Alumni Association.

### GENERAL ALUMNAE COUNCIL

At the June, 1925, meeting of the Alumnae Association the Alumnae Council was organized to function in a manner similar to that of the Alumni Council, in the interest of the former women students and of the University. Its purpose and form of organization is very much the same as those of the Alumni Council.

### THE ALUMNI OFFICE

The General Alumni Office was organized to promote the work of the local alumni and alumnae associations and to co-ordinate the various activities of the General Alumni and Alumnae Associations and the General Alumni and Alumnae Councils. Sixty-five county and local alumni associations have been formed in North Carolina and other states.

**THE ALUMNI REGISTER OF DUKE UNIVERSITY**

*The Alumni Register of Duke University* is a monthly magazine published by the Alumni Association in the interest of the alumni and the University. It aims to keep the alumni in touch with one another and with the University.

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**APPOINTMENTS OFFICE**

With the co-operation of the Alumni Office, the University maintains an Appointments Office, in charge of a whole-time director, to serve graduates and advanced students of the institution on the one hand, and those who desire well-qualified persons for teaching and commercial positions on the other hand. The Appointments Office is divided into two sections: (1) the Division of Teacher Placement and (2) the Commercial Positions Division.

**DUKE UNIVERSITY NEWS SERVICE**

The Duke University News Service is the official publicity agency of the University for the purpose of sending out news to the press. It functions as a division of the Department of Public Relations and Alumni Affairs.

## FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

### GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Recreation Facilities and Equipment Fee, per semester.....	1.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable annually at the beginning of the second semester .....	3.00
Publication Fee:	
First semester .....	2.50
Second semester .....	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00

### LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 55, 101, 104, 202, 204, 221, 255, and 256.....	\$ 2.50
Botany 51, 103, 151, 156, 203, 216, and 252.....	5.00
Forest Botany 224 and 253.....	2.50
*Chemistry 1, 2, 61, 70, 81, 131, 132, 142, 153, 154, 215, 216, 261, and 262	7.00
Chemistry 151, 152, 241, 242, 253, and 254.....	8.50
Education 1, 58, 68, and 101.....	1.00
Education 112, 115, 116, 122, and 131.....	7.50
Education 208 (for testing materials in lieu of text).....	2.50
Engineering	
Civil S10 and S110—See <i>Summer School Bulletin</i> .	
Civil 11, 107, 111, 112, 113, 114, 117, 118, 119, 123, 124, 143, 144, and 240 .....	2.00
Electrical 153, 154, 161, 162, 163, 258, 261, 262.....	2.00
Mechanical 86, 189, 190, 193, 194, 199, and 200.....	2.50
Forestry 224, 253, 254, 259, 260, 264, 357a, and 358a.....	2.50
Forestry 261, 351, 352, 354, 357b, 358b.....	\$2.50 to 5.00
Geology 51, 52, 101, 151, and 152.....	2.50
Geology 102 .....	5.00
Field trip in Geology 51-52 and 101-102 at cost.	

\* When the laboratory in Chemistry 153-154 supplements that of another course and is taken simultaneously with such course no fee is charged with Chemistry 153-154.

History 91 and 92.....	3.00
No texts are required in these courses, but a fee of \$3.00 is charged, and books are placed in the Library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
Physical Education, per semester (\$.50 per s.h.), for men.....	1.50
Physical Education, per semester (\$.50 per s.h.), for women.....	1.00
Physics 1 and 2.....	2.00
Physics 57, 58, 62, 104, 205, 206, 215, 216, 217, 218, and 219.....	3.00
Physics 51, 52, and 106.....	5.00
Zoology 1, 2, 92, 161, 174, 204, 219, 220, 222, 306, 324, and 343.....	3.00
Zoology 53, 151, 156, 224, 229, 303, and 321.....	5.00
Zoology, all other advanced laboratory courses.....	3.00

**TEACHERS TAKING COLLEGE COURSES**

Teachers in near-by schools, taking one or two courses, are required to pay a registration fee of \$5.00 each semester and a tuition fee of \$3.00 per semester-hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

**ESTIMATED EXPENSES FOR AN ACADEMIC YEAR**

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room-rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$574.50 to \$639.50. Books and laundry are not included in these figures.

**LIVING ACCOMMODATIONS FOR MEN**

Single room, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus .....	\$75.00
Double room, per student, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus.....	62.50
Double room, per student, per semester—Southgate Hall, East Campus	50.00
Double room, per student, per semester—Epworth Hall, East Campus	30.00

There are three groups of resident houses designated as Craven, Crowell, and Kilgo Quadrangles on the West Campus. The rooms are single, double, or arranged in suites of two rooms for four students. There are thirty-one houses within the three groups designated by the letters of the alphabet.

There are also two dormitories on the East Campus used for men—Southgate and Epworth Halls. All these rooms are equipped for two persons. Students in the College of Engineering are expected to live in either Southgate or Epworth, which are located near the Engineering College. Room reservation fees and applications for room assignments should be addressed to the Director in Business Division, East Campus.

Kilgo Quadrangle (eight houses) has been set aside as a Freshman Dormitory. A portion of Southgate Hall has also been reserved for Freshmen studying engineering. All Freshmen, except those living at home with their parents, are required to room in one of these dormitories.

Rooms are reserved only for applicants who have been officially accepted by the University, upon application to the Director in the Business Division, Duke Station, Durham, North Carolina. A reservation fee of \$25.00 must accompany the application for a room. The reservation fee is deducted from the room charges at the time of registration for the fall semester. An applicant who is accepted and has a room reserved is not entitled to a refund of the reservation fee unless the request is made on or before August 1.

A resident student in order to retain his room for the succeeding year is requested to make application accompanied by a reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division. All rooms which have not been reserved on or before May 15 will be considered vacant for the succeeding year and will be reserved in the order in which applications are made.

Rooms are rented for no shorter period than one semester, or in the case of a medical student, one quarter, unless by special arrangement with the Director in the Business Division. A period of occupancy other than a semester or quarter and without special arrangement will be charged at a minimum rate of \$1.00 each day.

The authorities of Duke University do not assume the responsibility of selecting and assigning roommates, though they will gladly render any assistance possible.

### DORMITORY REGULATIONS

Duke University is particularly eager that its students shall have the best dormitory life to be found in any institution, and to encourage this has provided buildings and equipment which are not surpassed. The Institution asks and believes that in return each student will respond to this effort by arranging his personal belongings in an orderly manner, and by caring for the buildings and furniture as he would do in the home of a friend. The following regulations are offered as a guide and a reminder that care is desired.

1. The student will be held responsible for any damage to the room or furnishings during the rental period, and will pay for all damages caused by his neglect, misuse or abuse of any part of the University property. Inspections will be made throughout the college year to observe the condition of the rooms and to advise students concerning the care of rooms, if necessary.
2. Maids will prepare the rooms daily except Sunday, the service beginning promptly at 8:00 o'clock A.M. and ceasing at 1:00 o'clock P.M., thereby giving the student complete use of his room during the afternoon.
3. University furniture or furnishings must not be removed from the room in which they have been placed by the University.
4. Electric wiring, door locks, window screens, steam or water lines should not be changed or added, since the University supervises and makes such changes as are necessary and advisable.



5. Pictures, pennants, clippings should be hung from the picture moulding and not tacked or pasted on walls or woodwork.

6. Each student is expected to supply necessary sheets, blankets, pillows, rugs and curtains. Furniture, beds and mattresses (39" x 74"), tables, chairs, dressers, mirrors, and window shades are furnished by the University.

7. All trunks and heavy luggage will be stored in the trunk rooms. Janitors will remove the trunks from the hallways to the storage rooms when they are unpacked.

8. The exchange of rooms or keys should be arranged for at the office. Any exchanges made otherwise will subject the participant to charges for both rooms.

9. The use or possession of intoxicating liquors, wines or beer, and gambling in any manner in any of the buildings or on the grounds of Duke University are forbidden.

10. Animals shall not be kept in the dormitories.

11. Women are permitted in the dormitories only when accompanied by the University Hostess.

12. The use of dormitory rooms as a sales office or storeroom, or the solicitation for sales or gifts, within the buildings or on the grounds is prohibited except by appointees of the University.

### LIVING ACCOMMODATIONS FOR WOMEN

The Woman's College campus, known as the East Campus, is situated about a mile and a quarter from the West Campus, with a private road connecting the two.

*Houses*—The seven residence houses on the East Campus are Alspaugh, Aycock, Bassett, Joseph G. Brown, Giles, Jarvis, and Pegram. A plan of the houses will be sent upon request to the Director in the Business Division, College Station, Durham, North Carolina. Each house has a resident head of house and paging system for announcing visitors.

*Rooms*—All questions concerning rooms should be addressed to the Director in the Business Division. The students' rooms are single, double, or arranged in suites of two rooms for two students.

*Room Furnishings*—Rooms are supplied with all necessary furniture. Curtains, towels, sheets, pillow-slips, blankets, and heavy bed covering, etc., are furnished by the students. Sash curtains of a standard type are required and can be bought at the College Store. Draperies, small scatter rugs, and study lamps can be brought from home or bought at reasonable prices from the College Store or in the city. Large rugs and heavy overstuffed furniture may not be brought into the dormitories.

#### *Room Rent*—

Single room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	\$87.50
Double room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	62.50
Single room, per student, per semester, Aycock House.....	75.00
Double room, per student, per semester, Aycock House.....	50.00

*Room Reservation*—A room reservation fee of \$25.00 is required before any room reservation can be made for new or returning students. This fee is deducted from the room charges at the time of registration for the fall semester. Applicants for admission are requested not to send the room reservation fee until notified of acceptance. Those who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before July 15.



No room assignments will be made for new students until they have been officially accepted by the Council on Admissions. The room reservation fee of \$25.00 is payable immediately upon notification of acceptance by the Council on Admissions. If room reservation fee has not been received within ten days after notification of acceptance by the Council on Admissions, the admission will be cancelled.

Details relative to the signing of rooms by resident students will be posted on dormitory bulletin boards about April 15. Resident students have the right to retain their rooms for ensuing year or to sign for new ones in the order of their class beginning with the Seniors. The new students are then assigned the remaining rooms, and in so far as possible, the type of room which they prefer. The University is responsible for the fall semester only for securing roommates for new students desiring double rooms. After a student has been a resident for one semester, the responsibility for securing and keeping a roommate is transferred to the student. If a student occupying a double room does not have a roommate by the date posted, approximately two weeks after the beginning of the semester, she will be required to pay double rent. The University is glad to co-operate in assisting the student to find a roommate.

When a room is once engaged by a student no change will be permitted except with the consent of the Director in the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. Rooms are rented for no shorter period than one semester. When a student leaves school before the end of the semester, the charge is \$1.00 per day unless the total charge on this basis is in excess of the room rent for the semester. All undergraduates who are not residents of Durham are required to live in the dormitories unless they are living with their parents or near relatives. An undergraduate woman who is over twenty-one years of age and who wishes to live in the city may make special arrangements with the Dean. Provision is made for graduate students to live on the campus.

No visitors are permitted in any sections of the dormitories which are occupied by women except by permission of the office of the Head of the House. Merchandising, solicitation, or advertising of any type is strictly forbidden within the dormitories.

### BOARDING ACCOMMODATIONS

*Trinity College, West Campus.*—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barbershop, and all publication staff offices.

In addition to the Union dining halls, the Coffee Shop is operated for the convenience of students and visitors.

*Woman's College, East Campus.*—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman is permitted to board elsewhere than at this Union. Board is \$112.50 per semester.

Because of the large number of those served in the Union dining halls, it is not possible to arrange special diets for individual students. Special diet for the sick is served in the Infirmary.

The Union includes a Faculty dining room, a lounge, and other rooms for various student activities.

#### LAWS REGARDING PAYMENTS

The Executive Committee of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend or in any way alter these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer, for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parents or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties, if his bills are not paid on the dates advertised.

#### TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of \$1.00 is made for each additional copy.

## SCHOLARSHIPS, LOANS, AND EMPLOYMENT AID

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Through a committee of the Faculty appointed by the President to deal with problems of rendering financial assistance to needy and worthy undergraduates of Trinity College, the Woman's College, and the College of Engineering, Duke University annually awards available scholarships, administers loan funds, and supervises student employment.

All student loan funds are kept separate and distinct from all other endowments or holdings of the University. Though some donors or their representatives may and do suggest terms and beneficiaries, no loan is made without the approval and consent of the Committee.

The scholarship funds are, in the main, endowed, though a limited number, and notably the honorary awards in recognition of scholastic merit, are financed through current funds of the University. As with the loan funds, donors of endowed scholarships may, and frequently do, make stipulated terms of the conditions of the award; but in all cases the responsible committee of the University reserves the right to approve and announce all awards. All scholarship endowments are held in trust by the University.

With few exceptions, loan and scholarship awards are limited to the amount of the tuition charges.

Prospective and old students must, if they will stop to consider, realize that no college or university has scholarship, loan, or job resources sufficient to meet all, or even a large per cent, of the requests made. A student, new or old, should realize that before he seeks aid of any institution, his need should be imperative. A student who accepts aid from a college or university when he could have done without it, unwittingly deprives some other would-be student, probably equally as worthy and more needy, of a chance to secure higher education at the institution.

Before applying to any college for aid a student should first have exhausted all means of aid from his parents, kinsfolk, interested friends, and commercial or civic agencies in his home locality.

A list of undergraduate scholarships and loans, and the procedure and terms of making application, are set forth below.

### SCHOLARSHIP FUNDS

*The Banks-Bradshaw Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Herbert J. Bass Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Christian Education Scholarship* is based on the annual earnings from a \$6,000 scholarship endowment.

*The E. M. Cole Scholarships* are based on the annual earnings from a \$10,000 scholarship endowment. Awards are limited to undergraduate ministerial students.

*The W. L. Cuninggim Scholarship* is based on the annual earnings from a \$7,500 scholarship endowment. Preference, at the request of the donors, is given to students entering Duke University from the Methodist Orphanage of Raleigh, North Carolina.

*The Arthur Ellis Flowers Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Colonel George W. Flowers Scholarship* is based on the annual earnings from a \$5,000 scholarship endowment.

*The P. Huber Hanes, Jr., Scholarship* is based on the annual earnings from a \$5,000 scholarship endowment.

*The B. D. Heath Scholarship* is based on the annual earnings from a \$2,400 scholarship endowment. Preference is given to students from Union County, North Carolina.

*The H. H. Jordan Memorial Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The Judd Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment. In making this award the donor or a representative of his family is to be consulted.

*The Frank S. Lambeth Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The O. G. B. McMullan Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The W. H. Moore Scholarship* is based on the annual earnings from a \$1,200 scholarship endowment.

*The J. A. Odell Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The J. M. Odell Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The E. J. Parrish Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The John T. Ring Scholarship* is based on the annual earnings from a \$1,200 scholarship endowment.

*The George W. Watts Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

*The C. E. Weatherby Scholarship* is based on the annual earnings from a \$1,000 scholarship endowment.

A friend of Duke University has set up a scholarship fund for the use of students preferably from Durham and Perquimans counties of North Carolina. Descendants of the donor, irrespective of their place of residence, are to be given consideration for such awards. The donor has designated that a representative of his family should be consulted in the making of awards. There are at present fifteen of these scholarships. They have no fixed value. Circumstances in all cases determine the amounts of the awards; usually, however, these scholarships are sufficient in amount to cover tuition charges.

A friend of Duke University has set up a scholarship fund the income of which is for the use of students preferably from the states of North Carolina, South Carolina, and Louisiana.

*The Angier B. Duke Memorial, Incorporated*, awards through the Scholarship Committee of Duke University four scholarships with an annual value of \$250 each to undergraduate students. These scholarships are awarded as follows: one on the basis of merit and necessity to an accredited high or preparatory school graduate entering the Freshman Class of Duke University; and one each to a member of the Sophomore, Junior, and Senior classes on the basis of merit, necessity and worthy individual contributions to university life. This fund is primarily for student loan purposes and is more fully described hereafter under "Loan Funds."

Fifteen honorary scholarships paying tuition are annually awarded to undergraduates. Five are held by members of the Sophomore Class, five by members of the Junior Class, and five by members of the Senior Class. Sophomore scholarships are awarded on the basis of scholastic work of the Freshman year; Junior scholarships on the basis of the scholastic work of the Sophomore year, and Senior scholarships on the basis of the scholastic work of the Junior year. Scholastic attainments and character are the sole bases of these awards.

Where funds are available and the need justifies, Duke University may award in any given year undergraduate scholarships partly or wholly covering tuition charges. Not in excess of fifty such awards shall be made.

Application for scholarship aid should be made to the Scholarship Committee, Secretary's Office, Duke University Station.

An application for a scholarship may not be made formally by a prospective student until application for admission has been made, all necessary credentials presented and notification of acceptance given.

#### LOAN FUNDS

*The Angier B. Duke Memorial, Incorporated*, administers through an advisory committee of the officers of the University, a loan fund for students of the University. Only the earnings of this fund are available for loan purposes.

The Committee of University officers also administers other endowed loan funds established for the benefit of students of Duke University. The amount available each year depends on the annual earnings and on the amount of loans repaid.

Although the total amount of loan aid is considerable, the calls for assistance far exceed the amount available for lending purposes each year. The Committee in charge of these funds, therefore, reserves the right to select from the applicants those who in character, personality, general promise, scholastic merit, and degree of financial need, are most deserving of consideration.



The loan funds are administered in accordance with the following regulations:

1. No loan shall be made to a student who violates any of the regulations of the University or whose classwork is not satisfactory to the Faculty.

2. As a general policy a student is not potentially eligible for loan assistance until he has been in residence at least one semester and until those responsible for the administration of loan funds have had an opportunity to acquaint themselves with the worthiness and the need involved in any particular case.

3. Loans will be made only to students who are taking approved courses of study that lead to a degree, and all loans must be arranged for not later than one week after the beginning of a semester.

4. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the Treasurer of the University.

5. No loan will be made to defray any other expenses than those incurred during the academic year for tuition, for matriculation, or for room-rent.

6. Interest at a rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

7. Applications for loans should be made to the Loan Committee, Secretary's Office, Duke University Station. A formal application for loan assistance may be made only on blanks furnished in the Secretary's Office at the time of registration. The granting or withholding of a loan is a matter entirely within the discretion of the Loan Committee. A student is expected to use all other possible means of securing financial assistance before applying for aid from the Loan Fund.

### EMPLOYMENT

A number of students each year secure part-time employment on the University campus and in the city. Those in need of such employment may apply to the Secretary of the Committee on Student Aid, Secretary's Office, Duke University. No definite number of such places can be promised. Available places will be assigned in accordance with the merit and the need of the applicants.



## HONORS AND PRIZES

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To be eligible for Honors a student must earn during the year a credit of not less than thirty semester-hours. Students in the Freshman, Sophomore, and Junior classes who earn an average of at least two and one-half quality-points per semester-hour are given Honors. All semester-hours on which a student receives a grade are counted in the determination of Honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction is conferred under the following rules:

Students who have completed a minimum of ninety semester-hours in Duke University are eligible for general Honors at graduation. Those who earn an average of at least two and one-half quality-points per semester-hour are recommended for a degree *magna cum laude*. Those who earn an average of at least two and three-fourths quality-points per semester-hour are recommended for a degree of *summa cum laude*. All semester-hours taken in Duke University on which a student receives a grade are counted in the determination of Honors.

### MEDALS AND PRIZES

*The Wiley Gray Medal* was established by the late Robert T. Gray, Esq., of Raleigh, North Carolina, to be awarded annually in memory of his brother. It is given for the graduating oration that shall be, in the opinion of a committee, the best, with respect to both declamation and composition.

*The Debate Council* authorizes the awarding of medals to members of the graduating class who have represented the University in at least two intercollegiate debates. The medals are given by the local chapter of the Tau Kappa Alpha Fraternity.

*The Southern History Prize* is awarded each year for the best essay dealing with a subject relating to Southern history. The prize is \$25 in cash donated by an anonymous friend of the University. The competition for the prize is conducted according to the regulations adopted by the Trinity College Historical Society.

*The Robert E. Lee Prize* is the gift of the Reverend A. W. Plyler, of the Class of 1892, and Mrs. Plyler. The sum of \$50 is awarded annually at Commencement, preferably to that member of the Senior Class who in character and conduct, in scholarship and athletic achievement, in manly virtues and the capacity for leadership, has most nearly realized the standard of the ideal student. The Dean of the College, the Graduate Manager of Athletics, and the President of the Student Council constitute a committee to draft and adopt regulations governing the award.

*The Dr. R. C. Parker Physics Prize.* Dr. R. C. Parker gave to Duke University a silver cup of Chinese manufacture to be used for the encouragement of scholarship in physics. The award is made annually by a committee from the Department of Physics, acting with the President of the University, to that student of Physics 1-2 who by the end of the academic year is judged to have shown the greatest promise as a student

of physics. The winner is chosen not only for his mathematical grades but also for his industry, growth in power of reasoning, originality of point of view, and skill in experimentation. The name of the winner is engraved on the cup which is given into his possession, subject to certain necessary regulations, until the next award is made.

*The Iota Gamma Pi Scientific Prize.* The Iota Gamma Pi Science Fraternity offers an annual prize of \$25 to a member of the Junior Class, majoring in science, who is judged to be the leading student in the scientific courses of the University. The fraternity submits to the judges a list of students eligible for the prize. The committee of award is composed of the Dean of the University and one member each from the Departments of Geology, Botany, Zoology, Chemistry, Physics, and Engineering. The departments concerned choose their own representatives on this committee. The award is made on the following basis: quality of scientific work, 50 points; personality and general ability, 30 points; quality of work in departments other than scientific, 20 points. The president of the fraternity publicly awards the prize in chapel during the second week in May.

*Alpha Kappa Psi Medallion.* This prize is offered each year to the member of the graduating class who makes the highest record in economics and business administration during his career at the University.

*The Willis Smith Prize.* Mr. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of Law School work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

*Julia Dale Prize in Mathematics.* This is a prize of books given annually to the undergraduate who shows the greatest proficiency in the study of the calculus.

*The Milmore Prize,* consisting of one year's subscription to the *Electrical World*, is awarded each year to that student from North or South Carolina graduating in the Department of Electrical Engineering, who, in the opinion of the Faculty of that department and as shown by his grades, has made the most progress in electrical engineering during his last year in college.

*The Pegram Chemistry Club Prize* will be awarded in the spring of each year for scholarship in chemistry, physics and mathematics. The prize is to consist of one year junior membership in the American Chemical Society, and a one year subscription to either the *Journal of the American Chemical Society*, or to *Industrial and Engineering Chemistry*. To qualify for this prize the student must (1) be enrolled as an undergraduate of Duke University, (2) be taking or have taken a fourth year chemistry course. The winner of this prize is to be selected by a committee consisting of at least one faculty member and at least two members of the Pegram Chemistry Club; the selection is to be based on the quality-point average for all courses taken in chemistry, physics, and mathematics. In case of a tie equal awards will be given.

## STUDENT ORGANIZATIONS AND ACTIVITIES

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*The Men's Association of Duke University* comprises all men students in Trinity College. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of nine members: three executive officers, two representatives from the Senior Class, two from the Junior Class, one from the Sophomore Class, and one from Southgate Dormitory.

*The Women's Student Government Association* is similar in character to the men's association. Its council is composed of the officers of the association and ex officio of the Y.W.C.A. president and an undergraduate representative.

*The Young Men's Christian Association* and the *Young Women's Christian Association* are branches of the national student Christian Associations. Each body aims to enrich not only the religious life of its members as individuals but also to promote religious group activity. Delegates are sent each year to summer conferences, state conventions, interstate conventions, and the state Bible and missionary institutes. Every year a series of special religious services is held. The Open Forum Bible Class is conducted under the auspices of the Church Board.

Other organizations and activities include the following:

Bench and Bar Association (Pre-Legal Undergraduates); Classical Club; Debate Council (Men); Debating Club (Women); Duke Flying Club; Duke University Church (Interdenominational); Duke University Pre-Medical Society (Undergraduate Medical Group); Hesperian Union; Isotes (Independent Social Group—Women); Ministerial Fellowship; Nereidian Club (Women); Poetry Club; Polity Club; Quadrangle Pictures; Student Forum Committee (Women); Student Religious Council; The Duke Players; The Explorers' Club; Town Boys' Club; Town Girls' Club; Undergraduate Writers; Women's Athletic Association; and W. H. Pegram Chemistry Club.

### HONORARY ORDERS AND FRATERNITIES (NATIONAL)

Alpha Kappa Psi (Economics); Chi Delta Phi (Literary—Women); Delta Phi Alpha (German); Kappa Delta Pi (Education); Omicron Chi Epsilon (Ministerial); Omicron Delta Kappa (Leadership—Men); Phi Beta Kappa (Scholarship); Phi Eta Sigma (Freshman Scholarship—Men); Pi Mu Epsilon (Mathematics); Sigma Delta Pi (Spanish); Sigma Pi Sigma (Physics); Sigma Xi (Scientific Society); Tau Kappa Alpha (Forensic); Tau Psi Omega (French); Theta Alpha Phi (Dramatic).

**HONORARY ORDERS AND FRATERNITIES (LOCAL)**

Beta Omega Sigma (Sophomore—Men); Delta Phi Rho Alpha (Athletic—Women); 9019 (Scholarship—Men); Iota Gamma Pi (Scientific); Ivy (Freshman Scholarship—Women); Red Friars (Leadership—Men); Sandals (Sophomore—Women); Tombs (Athletic—Men); White Duchy (Leadership—Women).

**ENGINEERING ORGANIZATIONS AND FRATERNITIES**

American Institute of Electrical Engineering; American Society of Civil Engineering; American Society of Mechanical Engineers; Delta Epsilon Sigma (Honorary Engineering Fraternity); The Engineers' Club.

**MUSICAL ORGANIZATIONS AND FRATERNITIES**

Kappa Kappa Psi (National Band Fraternity); The Duke University Instrumental Music Association, comprised of members from Duke University Band, Duke University Orchestra, and chamber music groups; The Men's Glee Club; The Women's Glee Club; The University Chapel Choir; The Woman's College Orchestra; The Woman's Music Study Club.

**SOCIAL FRATERNITIES (NATIONAL)****(The Men's Panhellenic Council)**

Alpha Tau Omega; Beta Theta Pi; Chi Phi; Delta Sigma Phi; Delta Tau Delta; Kappa Alpha; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Kappa Psi; Phi Kappa Sigma; Pi Kappa Alpha; Pi Kappa Phi; Sigma Alpha Epsilon; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Zeta Beta Tau.

**SOCIAL SORORITIES (NATIONAL)****(The Women's Panhellenic Council)**

Alpha Delta Pi; Alpha Phi; Alpha Epsilon Phi; Delta Delta Delta; Kappa Alpha Theta; Kappa Delta; Kappa Kappa Gamma; Phi Mu; Pi Beta Phi; Sigma Kappa; Zeta Tau Alpha.

**STUDENT PUBLICATIONS****(Publications Council)**

*Archive* (Monthly); *Chanticleer* (Annual); *Chronicle* (Semiweekly); *Duke 'n' Duchess* (Monthly Humor).



THE GRADUATE SCHOOL  
OF ARTS AND SCIENCES

1939-1940

ANNOUNCEMENTS FOR 1940-1941



## CALENDAR

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1940

- June 11. Tuesday, 9:00 A.M.—Registration of students for Summer School, first term.
- June 12. Wednesday, 2:00 P.M.—Instruction begins for Summer School, first term.
- July 4. Thursday—Independence Day: a holiday.
- July 22-23. Monday, Tuesday—Final examinations for Summer School, first term.
- July 24. Wednesday, 9:00 A.M.—Registration of students for Summer School, second term.
- July 24. Wednesday, 2:00 P.M.—Instruction begins for Summer School, second term.
- Sept. 2-3. Monday, Tuesday—Final examinations for Summer School, second term.
- Sept. 18. Wednesday, 11:00 A.M.—Formal opening of the College; registration of matriculated students.
- Sept. 19. Thursday—Instruction for Sophomores, Juniors, and Seniors begins.
- Sept. 19-21. Thursday, 9:15 A.M.-12:45 P.M.; 2:30 P.M.-4:30 P.M.; Friday, 9:15 A.M.-12:45 P.M.; 2:30 P.M.-4:30 P.M.; Saturday, 9:15 A.M.-12:45 P.M.—Registration of graduate students.
- Oct. 15. Tuesday—Last day for submitting thesis subjects for the degree of Doctor of Philosophy.
- Nov. 4-9. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before October 30.
- Nov. 11-16. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before November 4.
- Nov. 15. Friday—Last day for submitting thesis subjects for the degrees of Master of Arts and Master of Education.
- Nov. 28. Thursday—Thanksgiving Day: a holiday.
- Dec. 11. Wednesday—Duke University Day.
- Dec. 20. Friday, 1:00 P.M.—Christmas recess begins.

1941

- Jan. 3. Friday, 8:00 A.M.—Instruction is resumed.
- Jan. 10-16. Reading period.
- Jan. 17. Friday—Mid-year examinations begin.
- Jan. 29-31. Wednesday, Thursday, and Friday, 9:15 A.M.-12:45 P.M., 2:30 P.M.-4:30 P.M.—Registration for second semester.
- Feb. 1. Saturday—Second semester begins.

- March 1. Saturday—Last day for applying for University fellowships, graduate assistantships, and graduate scholarships.
- March 3-8. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before February 26.
- March 10-15. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before March 3.
- March 22. Saturday, 1:00 P.M.—Spring vacation begins.
- March 31. Monday, 8:00 A.M.—Instruction is resumed.
- April 25-May 9. Reading period.
- May 1. Thursday—Last day for submitting theses for degree of Doctor of Philosophy.
- May 15. Thursday—Last day for submitting theses for degrees of Master of Arts and Master of Education.
- May 16. Friday—Final examinations begin.
- May 31. Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 1. Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 2. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

## OFFICERS OF ADMINISTRATION

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WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.

*President*

ROBERT LEE FLOWERS, A.M., LL.D.

*Vice-President in the Business Division*

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.

*Vice-President in the Educational Division*

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.

*Dean of the Graduate School of Arts and Sciences*

WALTER HAROLD DELAPLANE, A.B., A.M., Ph.D.

*Assistant to the Dean of the Graduate School*

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FRANK CLYDE BROWN, A.B., A.M., Ph.D.

*Comptroller*

CHARLES BLACKWELL MARKHAM, A.B., A.M.

*Assistant Treasurer*

JOHN JORGENSEN LUND, A.B., Ph.D.

*Librarian*

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## EXECUTIVE COMMITTEE OF THE GRADUATE SCHOOL COUNCIL

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.

*Dean of the Graduate School of Arts and Sciences, ex officio*

WILLIAM ARTHUR BROWNELL, A.B., A.M., Ph.D.

PAUL MAGNUS GROSS, B.S., A.M., Ph.D.

WILLIAM THOMAS LAPRADE, A.B., Ph.D.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D.

NEWMAN IVEY WHITE, A.B., A.M., Ph.D.

ROBERT RENBERT WILSON, A.B., A.M., Ph.D.

# GRADUATE INSTRUCTION IN DUKE UNIVERSITY

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## ADMISSION

### TO GRADUATE COURSES

A student who has received the A.B. or B.S. degree for a four-year undergraduate course may be admitted to take graduate courses in the Graduate School of Arts and Sciences of Duke University, provided that his undergraduate record gives positive evidence of ability to undertake graduate study successfully. An average grade of not less than "B" is ordinarily accepted as evidence of such ability.

No college or university work taken before the Bachelor's degree is conferred, or fully earned, may be credited toward an advanced degree except under the following circumstances: A student of Duke University who lacks at the beginning of a term not more than nine semester hours of fulfilling the requirements for the Bachelor's degree may obtain permission from the Dean of the Graduate School to take during the term graduate courses sufficient to bring his total work to fifteen hours a week. Such graduate courses will be credited toward the degree of Master of Arts or Master of Education if registered in the Graduate School Office at the beginning of the term and if the student meets the requirements below for formal admission to the Graduate School.

A candidate for admission to graduate courses should ask the proper officer of the college(s) he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record. An advanced student should provide also a transcript of the graduate work he has completed. In no case will a transcript presented by the candidate himself be accepted as a basis for admission, nor will a transcript mailed by any institution be returned to the student. An application blank for admission will be provided upon request to the Dean of the Graduate School. The transcript and application should be submitted to the Graduate School by September 1 for admission in the autumn semester and by January 15 for admission in the spring semester.

### TO THE GRADUATE SCHOOL

After twelve semester hours of graduate work, the student may apply for admission to the Graduate School, and thus become a candidate for the Master's degree. Such admission is dependent upon the fulfillment of two conditions. (1) The student must have made a mark of "G" or "Good" in at least three semester hours of work, with no mark less than "S." Candidates who cannot meet this condition may at a later time submit their records for re-evaluation, provided that in their subsequent work they shall have made a substantial number of "G's." (2) The student in his undergraduate work must have met substantially the requirements for the A.B. or B.S. degree at Duke University. Any deficiencies

of undergraduate work must be satisfied before admission to the Graduate School. Graduate courses taken at Duke University prior to formal admission to the Graduate School will count toward a higher degree provided they are in accord with its requirements and are acceptable to the major department.

### REGISTRATION

A student who is admitted to graduate courses will receive a permit to register, which he should present when he registers for courses. If he expects to work toward an advanced degree, he must consult with the Director of Graduate Studies or his representative in the department in which he proposes to major before registering his courses in the Graduate School Office. This can be done during the registration period in September and January. The department concerned will determine whether a student is prepared to take any particular course. In all cases the student must make up without credit toward a graduate degree all prerequisites required by the major department of candidates for advanced degrees. Students who have fulfilled the minimum residence requirements for the doctorate but who are continuing resident study at Duke University for the degree should register in the Graduate School Office, even though there may be no fees to be charged.

New students are advised to arrive early during the registration period in order to formulate their programs. Anyone registering for courses after the close of the regular registration period will be charged a late registration fee of five dollars.

### FEES AND EXPENSES

The following table shows the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester. No student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage Fee, payable annually in September.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00

### ROOMS

Rooms are available for men in the new graduate dormitory, Few Quadrangle, on the West Campus. Graduate women are housed in the Faculty Apartments on the East Campus. Rates for rooms and similar information are given in the Miscellaneous Information section elsewhere in this Catalogue.

**FELLOWSHIPS, SCHOLARSHIPS, AND ASSISTANTSHIPS**

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be made on or before March 1 of each year. In case vacancies occur, applications submitted on a later date will be considered. Appointments which were offered for the year 1940-41 are listed below.

**FELLOWSHIPS**

One Angier Duke Memorial Fellowship of one thousand dollars.

Four University Fellowships of seven hundred and fifty dollars each.

Ten University Fellowships of seven hundred dollars each.

Sixteen University Fellowships of six hundred and fifty dollars each.

One Gurney Harris Kearns Fellowship in American Religious Thought of seven hundred dollars.

Fellows will be required to give a limited amount of assistance in reading papers, in laboratories, or in other departmental duties. All fellows carry a full program of graduate work.

**GRADUATE SCHOLARSHIPS**

Seven Graduate Scholarships of four hundred and fifty dollars each.

Twelve Graduate Scholarships of four hundred dollars each.

Scholars may be asked to give a limited amount of assistance in departmental work. They normally carry a full program of graduate studies.

**FELLOWSHIPS AND GRADUATE SCHOLARSHIPS IN FORESTRY**

Information regarding special fellowships and graduate scholarships in forestry may be obtained before March 1, 1941, from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

**BROOKINGS-DUKE CO-OPERATIVE FELLOWSHIPS**

Duke University and the Brookings Institution of Washington, D. C., have entered into a co-operative arrangement for the establishment of fellowships in economics and political science. Each fellowship will be of the approximate annual value of one thousand dollars. The fellowships will be available to third-year or more advanced graduate students, who have either completed the work for the Ph.D. degree, or who wish to do thesis work in Washington. In carrying on their work, students will use the facilities of the Brookings Institution. In most cases unmarried persons will be nominated for these appointments. Further details can be obtained from the Dean of the Graduate School, Duke University, or from the Brookings Institution, Washington, D. C. Graduate students who desire to be nominated by Duke should apply to the departments concerned not later than March 1. Nominations are transmitted to the Brookings Institution by March 15.



### APPOINTMENTS AS GRADUATE ASSISTANTS

A considerable number of appointments as teaching assistants or readers will be available for graduate students. The compensation will usually range from \$300 to \$700, depending upon the nature and amount of the work assigned. Assistants receiving \$500 or more will be registered for four fifths of a normal program of studies.

Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.

### ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts (A.M.), Master of Education (M.Ed.), and Doctor of Philosophy (Ph.D.). Most departments of the University are now prepared to give a full program of work leading to the degree of Doctor of Philosophy.

### THE LIBRARIES

The total number of volumes in the University Libraries on June 30, 1939, was 569,140 volumes. These are distributed among four main units: the General Library with 429,082 volumes; the Hospital (Medical) Library, 36,596 volumes; the Library of the Law School, 61,403 volumes; and the Woman's College Library, 42,637 volumes.

The work of students in the Graduate School is carried on primarily in the General Library. A Graduate Reading Room, which contains the reference material most in demand, provides a quiet and convenient place for study. Graduate students are also admitted freely to the stacks. Within the stacks are located 108 carrells or desks which are assigned on an annual basis, preference being given to students in the Graduate School. To facilitate work in the natural sciences, the General Library maintains departmental libraries adjacent to laboratories for the Departments of Chemistry, Physics, and Biology. A departmental library is also maintained for the School of Religion.

In the field of mathematics and the sciences particular attention has been given to securing files of important journals and serials. A check-list of all scientific periodicals and serials on the University campus shows a total of approximately 2,120 files in a more or less complete form. The total number of current periodicals received by subscription, exchange, and gift in 1938-39 was 2,931, exclusive of duplicates.

In the field of the social sciences and the humanities every effort has been made to secure the basic collections of source material as well as the more important publications of criticism and discussion. This has been done by the acquisition of such sets as the *Die Griechischen Christlichen Schriftsteller der ersten drei Jahrhunderte*, *Corpus Scriptorum Ecclesiasticorum Latinorum*, Migne's *Patrologia*, the *Corpus Scriptorum Historia Byzantiae*, the *Monumenta Historica Germaniae*, the *Acta Sanctorum*, the

*Corpus Reformatorum*, complete files of the publications of the League of Nations, the International Labor Office, and many others. The endeavor to select the more important items in the various fields of graduate work has been supplemented by the purchase of a number of special collections and libraries. Among the more important of these might be mentioned a Peruvian library of approximately three thousand books and manuscripts; a library of several thousand volumes dealing with Brazil; the recently acquired Robertson library of Philippiniana; the Lanson Collection of French literature consisting of twelve thousand books and monographs; a Goethe collection of one thousand volumes; a Scandinavian collection of three thousand volumes; a collection of about five thousand items of early Americana, dating from the seventeenth century to 1820; the Holl church history library dealing primarily with the period of the Reformation; a collection of many thousands of church minutes and records of American denominational history; two collections of eighteenth-century English poetry and prose totaling about five thousand items; two special collections, one dealing primarily with Byron and the other with Coleridge, containing a number of manuscripts, annotated copies, and first editions; a collection of material on the Fourier movement; and the Thomas Collection of books on Chinese history and culture. Special mention should be made of the George Washington Flowers Collection of manuscripts, books, newspapers, and pamphlets dealing with all phases of Southern history.

#### PUBLIC DOCUMENTS

The importance of public documents as fundamental source materials for the social sciences and as containing also some of the most important work in the field of applied science is being clearly recognized, and an excellent start has been made toward a comprehensive collection of this material. The Library has been a depository for Federal documents since 1890. State documentary publications are also being systematically collected in co-operation with the University of North Carolina. Of European public documents a representative collection has been secured. Among the more notable items might be mentioned the *British Parliamentary Papers* (since 1925), *Calendar of State Papers*, the *Acts of the Privy Council*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Bulletin des Lois de la République Française*, the *Reichsgesetzblatt*, the *Verhandlungen des Reichstages*, the *Atti* of the Italian Parliament, and the *Diario* of the Spanish *Cortes*. The public documents of the Latin-American countries form one of the strongest units of the Library.

Under this heading should be mentioned also the library of Professor Louis Strisower, sometime president of the Institut de Droit International, which contains approximately five thousand volumes dealing with international law. The volumes date from the seventeenth century to the present and contain some especially valuable periodical files and rare books.

## PUBLICATIONS OF EUROPEAN ACADEMIES

The Duke University Library has more than twenty-five sets of European academies containing monographs in most of the fields of knowledge and constituting important sources for the research programs of graduate students and Faculty. The sets comprise about two thousand volumes and include *Preussische Akademie der Wissenschaften* (Berlin); *Gesellschaft der Wissenschaften zu Göttingen*; *Sächsische Akademie der Wissenschaften* (Leipzig); *Bayerische Akademie der Wissenschaften* (Munich); *Heidelberger Akademie der Wissenschaften*; *Akademie der Wissenschaften* (Vienna); *Académie des sciences* (Paris); *Académie des inscriptions et belles-lettres* (Paris); *Académie des sciences morales et politiques* (Paris); *Accademia virgiliana de scienze, lettere ed arti di Mantova*; *Accademia dei lincei* (Rome); *Accademia nazionale dei lincei*; *Accademia d'Italia* (Rome); *Accademia pontificia dei nuova lincei* (Rome); *Academia de ciencias y artes* (Barcelona); *Real academia española*; *Academia de la historia* (Madrid); *Akademia nauk* (Leningrad); *Dansk videnskabernes selskab* (Copenhagen); *Norsk videnskaps-akademi i Oslo*; *Akademie van Wetenschappen* (Amsterdam); *Académie royale des sciences, des lettres et des beaux-arts de Belgique* (Brussels); *Akademija umiejetnosci* (Krakow).

## NEWSPAPERS

The Library collection of newspapers contains around twelve thousand volumes. Practically all states of the Union are represented, although the major part of the collection is from along the Atlantic seaboard. Of the eighteenth-century items, the states best represented are Massachusetts, Maryland, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. There is an excellent collection of nineteenth-century New England papers. There are especially long runs of the *New York Herald*, *New York Times*, *New York Tribune*, and the *London Times*. The World War period is unusually strong with about twenty-eight titles practically complete for 1914-19. There is a group of papers from Germany in the years just after the World War. Special emphasis has been placed on the Southern States, and there are numerous volumes of papers from North Carolina, South Carolina, and Virginia, representing the Colonial period, the Ante-Bellum period, and the Civil War period. The current subscription list of eighty-four titles represents American public opinion and contains nineteen important foreign titles.

## MANUSCRIPTS

The manuscript collection now contains approximately 581,000 pieces. Outstanding items include one notable Greek manuscript of the thirteenth century containing the entire New Testament. In the field of English literature there is an interesting body of Rossetti material. For the most part, however, the collection relates to the South Atlantic region. The field of American literature is represented by the papers of Paul

Hamilton Hayne, Thomas Holley Chivers, William Gilmore Simms, John Esten Cooke, George Frederick Holmes, and Thomas Nelson Page. Material is most copious in the field of history, where the papers of both well-known and minor figures provide a well-rounded picture of life in the South during the nineteenth century. Aside from politics, information can be found on all phases of social and economic life. Particular attention is given to the period of the Civil War, with the result that the collection is rich in material on civic and social as well as military phases of that conflict. Of interest for historical studies are the papers of P. G. T. Beauregard, John C. Calhoun, John J. Crittenden, John Clopton, William H. Crawford, Jefferson Davis, James Mercer Garnett, Nathaniel Greene, Louis M. Goldsborough, David B. Harris, William W. Holden, T. J. (Stonewall) Jackson, John M. Kell, Robert E. Lee, Francis R. Lassiter, George McDuffie, A. T. Mahan, Willie P. Mangum, Matthew Fontaine Maury, Francis W. Pickens, Richard Singleton, and Alexander H. Stephens. The manuscript collection is increasing at the rate of about fifty thousand items annually.

#### EXCHANGE PRIVILEGES WITH THE LIBRARY OF THE UNIVERSITY OF NORTH CAROLINA

The libraries of Duke University and of the University of North Carolina have completed arrangements for the fullest exchange of privileges and resources. Each library contains a catalogue of the contents of the other, and books requested from the other library are supplied through a delivery service which operates daily except Saturdays and Sundays. Faculty members and graduate students may secure cards admitting them to the stacks of the other library. The Library of the University of North Carolina contains approximately 374,000 volumes, besides a large collection of manuscripts relating to Southern history. Through this arrangement more than 944,000 volumes are available to students in the combined libraries.

#### SCIENCE LABORATORIES

##### BIOLOGICAL LABORATORIES

The Biology Building on the West Campus contains three refrigerated rooms, an incineration room, a workshop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology, parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, forest soils, and wood anatomy and properties. A 300-acre arboretum is being developed adjacent to the campus with Dr. E. S. Harrar in charge of its development. A greenhouse gives adequate space for experimental work and propagation. There is an herbarium of some fifty thousand specimens of all plant groups with a large representation of the Southern flora. Dr. H. J. Oosting is Curator of the Herbarium, and Dr. Irving E. Gray is the Curator of the Zoological Museum. On the East Campus,



laboratories are provided for undergraduate women, and there is a small greenhouse near the Science Building. Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work are available.

The Duke Forest and its streams provide excellent collecting grounds. The Duke Forest is under the management of the School of Forestry. Duke University is situated in the Piedmont region, between the mountains and the coastal plains. This gives easy access to a varied flora and fauna. North Carolina is the home of the tulip poplar, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to montane species. In the woods about the University there is a great variety of animals.

The Marine Laboratory at Beaufort, North Carolina, provides facilities for work on plants and animals in and near the ocean. It is situated on Piver's Island, adjacent to the Biological Laboratory of the United States Bureau of Fisheries.

#### PHYSICAL LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. In addition to the usual lecture and elementary laboratory facilities, laboratories are provided for work in electrical measurements, optics, atomic physics, and advanced measurements in general physics.

Rooms are provided for various instruments of research in spectroscopy, such as a 10-foot concave grating which is used in conjunction with a 32-meter-long stainless steel pipe for study of weak absorption; a vacuum spectograph with a 2-meter glass grating; an apparatus for the study of the Raman spectra of gases photographed with a large 3-prism glass f 2.5 glass Zeiss spectrograph and various other spectroscopic instruments, such as the Hilger E-1, Moll microphotometer, etc.

A transformer high-voltage outfit generating voltages up to 500 KV makes possible the study of a number of problems in nuclear physics. Research facilities, such as counters, cloud chambers and ionization chambers, are available for the study of the properties of extremely high energy particles such as those present in the cosmic radiation.

A well-equipped shop operated by trained instrument makers makes possible the development of instructional and research apparatus. A shop is also provided for the use of the Staff and graduate students.

#### CHEMISTRY LABORATORIES

Graduate work in chemistry is carried on in a new building which has a floor area of about 57,000 square feet. The equipment of this building is modern in every respect. Of this total space a large proportion is available for research and advanced teaching. There are twenty-five double research rooms completely equipped with the usual services. In

addition, the following specially designed rooms are available for present or future research as indicated: a low temperature room, photographic room, constant temperature room, gas analysis room, combustion room, bomb room, animal room, and rooms equipped for high vacuum, X-ray, and photochemical investigations.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

#### MEDICAL SCHOOL

In the School of Medicine elaborate facilities are provided for post-graduate research in the various branches of medical science. Especial attention is given to training in preventive medicine and public health work. Graduate students in the Graduate School of Arts and Sciences taking work in Anatomy, Bacteriology, Immunology, Biochemistry, Physiology and Pharmacology, and Nutrition will find complete laboratory equipment and medical library in the Medical School Building.

#### THE DUKE FOREST

Through placing the Duke Forest under intensive management for forestry purposes, substantial progress has been made in developing the educational work and research in forestry. The Duke Forest consists of approximately five thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region, composed of second-growth shortleaf pine, loblolly pine, and hardwoods, the Forest is representative of the various types of timber growth and soils found throughout the region.

Owing to the proximity of the Forest to the laboratories, greenhouses, and library facilities of the University, an excellent opportunity exists for advanced study and research in forestry. Research, particularly in the fields of silvics, forest soils, silviculture, forest management, properties of wood, forest-tree physiology, and forest pathology, is well under way. Several members of the Botany and Zoology Staffs are also engaged on research in the Duke Forest.

For additional information, see the *Bulletin of the School of Forestry*.

#### ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a University Council on Research. The twelve members of this Council are chosen from the Faculties of the Schools of Medicine, Law, and Religion, and the Graduate School of Arts and Sciences. In May of each year the Council on Research receives written applications from members of the Faculty for subsidies to be used in the following fiscal year to aid them in carrying out research projects. Stipends are granted for the employment of research assistants, for the purchase of books and for apparatus, supplies, and equipment. Each member of the Faculty to whom a research stipend



is granted must make a written report within twelve months to the Council concerning the progress of the investigation for which the stipend was allowed.

### SPECIAL LECTURES

During each academic year the University Lecture Committee arranges for a number of special lectures of value to graduate students interested in various fields of knowledge. The Woman's College Lecture Series brings other eminent guests to the campus. In addition to these lectures, a number of distinguished speakers appear each year on the programs of various schools and departments of the University.

Among the guest lecturers in 1939-40 were Mr. Archibald Rutledge, Poet Laureate of South Carolina; Mr. Turner Catledge, Washington correspondent of the *New York Times*; Mr. Victor Wolfgang von Hagen, writer and explorer; Mr. Alfred Duff Cooper, former First Lord of the British Admiralty; Mr. H. R. Knickerbocker, war correspondent for the International News Service.

### THE UNIVERSITY PRESS

As far back as 1897 Trinity College began sponsoring the publication of *The Papers of the Trinity College Historical Society*, which were distributed to members of the Society and on exchange to other institutions. This was the first publishing venture of the College.

In 1902, the 9019, an honor scholastic society on the campus, sponsored the launching of *The South Atlantic Quarterly*, which was later taken over by the Press.

In 1925 after the acceptance of the indenture of trust of James B. Duke, Trinity College became Duke University, and the following year the University Press was organized to publish the results of research engaged in by the Faculty and such other works as were approved by a board of editors appointed for the purpose. One of the first steps of the new organization was to revive *The Hispanic American Historical Review*, which had been founded and published from 1918 to 1922 by a group of scholars interested in Hispanic America. Since 1926 its publication has been continued without interruption and its mission has been supplemented by the publication of many studies dealing with the history, politics, and foreign relations of the Hispanic nations of the New World.

In 1929 *American Literature* was begun with the co-operation of the American Literature Group of the Modern Language Association. This journal was followed in 1931 by *Ecological Monographs*, a quarterly sponsored by the Ecological Society of America to take care of papers too long for inclusion in *Ecology*.

*Character and Personality* was founded in 1932 to offer a medium for the publication of studies in fields related to this phase of psychology. It is an international quarterly which appears simultaneously in the United States and Great Britain. A German edition formerly published in Germany has been forced to suspend publication.

Besides these regular quarterly publications the Press has issued *Duke University Psychological Monographs*, the title of which has been changed to *Contributions to Psychological Theory*, and *Duke University Research Studies in Education* sponsored by the Department of Education of the University.

In 1935 the Press started the publication of the *Duke Mathematical Journal*, with the co-operation of the Mathematical Association of America, and *The Journal of Parapsychology* (1937)\* for the publication of the results of research in psychoanalysis, mental telepathy, and allied studies. For the Southern Association of Colleges and Secondary Schools, the Press publishes *The Southern Association Quarterly*, official organ of the Association. The Law School issues another quarterly, *Law and Contemporary Problems*, carrying a symposium of some important legal problem in each number.

Previous to the existence of the Press, Duke University, formerly Trinity College, had published several important books under its own imprint. Since the organization of the Press it has continued to offer to the public the products of able scholarly research. It has not limited its scope to any one field or to any one group of authors. In addition to the many works submitted by members of the Faculty, a great number of manuscripts by authors who had no connection with the University have been issued under the imprint of the Press.

In the broadest sense, the policy of the Press is to give to the public any work which, because of the merit of its contents, its style, and its general value, deserves publication.

\* This periodical is now published twice a year by its editors, Professors Gardner Murphy of Columbia University and Bernard F. Riess of Hunter College, in New York City.

## COURSES OF INSTRUCTION

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*This is a condensed description of courses. For a full description, see Bulletin of the Graduate School.*

*Certain undergraduate courses are open to graduate students with the approval of the department. See the Bulletin of Undergraduate Instruction.*

### DIVISION OF ANCIENT LANGUAGES AND LITERATURES

PROFESSOR BRANSCOMB, CHAIRMAN; PROFESSORS PEPPLER, ROGERS, AND  
ROSBOROUGH;\* ASSOCIATE PROFESSOR STINESPRING; ASSISTANT  
PROFESSORS CLARK, GATES, AND WAY;  
DRS. ROSE AND TRUESDALE

#### GREEK

FOR SENIORS AND GRADUATES

- 201-202. Greek Tragedy.—6 s.h. PROFESSOR PEPPLER
- 203-204. Homer.—*Odyssey*. Pindar and Bacchylides. 6 s.h.  
DR. TRUESDALE
- 205-206. Greek Historians.—6 s.h. PROFESSOR PEPPLER
- 207-208. Greek Orators.—6 s.h. ASSISTANT PROFESSOR WAY
- 209-210. Plato.—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h.  
ASSISTANT PROFESSOR WAY
- 211-212. Aristophanes.—6 s.h. PROFESSOR PEPPLER  
(Only one of the six courses listed above is offered each year.)
243. Athenian Topography.—3 s.h. ASSISTANT PROFESSOR WAY
244. Greek Epigraphy.—3 s.h. ASSISTANT PROFESSOR WAY
245. Greek Dialects.—3 s.h. ASSISTANT PROFESSOR WAY
246. Greek Historical Inscriptions.—3 s.h. ASSISTANT PROFESSOR WAY
- 247-248. Greek Archaeology.—6 s.h. ASSISTANT PROFESSOR WAY

(Of the courses numbered from 243 to 248, only two semester-courses are offered each year.)

FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in Aristophanes (301-302), The Greek Historians (303-304), The Attic Orators (305-306), and The Greek Tragic Poets (307-308). These run through a cycle of four years. In 1940-41 the work will be:

- 307-308. Seminar in the Greek Tragic Poets.—6 s.h. PROFESSOR PEPPLER
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#### RELATED COURSES IN OTHER DEPARTMENTS

- Phil. 217. Philosophy of Aristotle.—3 s.h. DR. McLARTY

\* Absent on leave, 1940-41.

N.T. 218. Galatians and I Corinthians.—3 s.h.

ASSISTANT PROFESSOR CLARK

N.T. 315. Hellenistic Religions at the Beginning of the Christian Era.—

3 s.h.

ASSISTANT PROFESSOR CLARK

N.T. 318. The Text of the New Testament.—3 s.h.

ASSISTANT PROFESSOR CLARK

By a co-operative arrangement graduate students of Duke University may take the following courses at the University of North Carolina with the approval of the Dean of the Graduate School and the Head of the Greek Department at Duke:

Homer.	Professor Epps
Greek Tragedy.	Professor Epps
Greek Comedy.	Professor Epps
The Greek New Testament.	Professor Epps
Greek Historians.	Professor Harland
Hellenic Literature and Its Historical Setting.	Professor Harland
Greek Seminar.	Professors Harland, Epps, and Sanders
The Aegean Civilization.	Professor Harland
Topography of Athens, Olympia, and Delphi.	Professor Harland
Archaeology of the Ancient Near East.	Professor Harland
Hellenic Architecture.	Professor Harland
Hellenic Sculpture.	Professor Harland
Greek Epigraphy.	Professor Harland

*Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.*

#### LATIN AND ROMAN STUDIES

All candidates for the degree of Master of Arts are required to complete one Latin seminar of six semester hours, and candidates for the doctorate with a major in the Department are required to complete three seminars of six semester hours each. A satisfactory working knowledge of French and German is a necessity for graduate students in Classics, and Italian is desirable.

*N.B. All students desirous of pursuing any of the courses here listed are expected to attend the meeting of Staff and students at 2:00 P.M. in 207 Carr Building on the day before final registration day to get their courses arranged and scheduled.*

#### FOR SENIORS AND GRADUATES

201. Roman Fiction.

[Not offered in 1940-41]

202. Latin Christian Writers.

[Not offered in 1940-41]

203-204. Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.—*Not offered if 205-206 is given.* 6 s.h. ASSISTANT PROFESSOR GATES

205-206. Roman Drama: Plautus, Terence, Seneca.—6 s.h.

ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy: Lucretius, Cicero, Seneca.  
[Not offered in 1940-41]

209-210. Vulgar Latin: Introduction to Romance Philology.  
[Not offered in 1940-41]

211-212. Roman Oratory.  
[Not offered in 1940-41]

215. Introduction to Roman Art and Archaeology.—*See course 216.*  
[Not offered in 1940-41]

216. Topography and Monuments of Ancient Rome.—3 s.h.  
PROFESSOR ROSBOROUGH

251-252. Roman Life.  
[Not offered in 1940-41]

281-282. Roman Historical Literature.—6 s.h. PROFESSOR ROGERS

FOR GRADUATES

309-310. Sight Reading and Composition.—6 s.h.  
PROFESSOR ROSBOROUGH AND DR. ROSE

311-312. Latin Epigraphy.—6 s.h. PROFESSOR ROSBOROUGH

375-376. Greek and Latin Linguistics.—6 s.h.  
PROFESSOR ROSBOROUGH AND DR. ROSE

**Seminars:** Various authors are selected from year to year as a basis for training in criticism and research. Seminars are offered in the following: *Catullus* (301-302), *Roman Historians* (331-332), *Roman Provincial Administration* (341-342), *The Reign of Tiberius* (343-344), *Martial* (351-352), *Horace* (361-362), and *Cicero's Public Career* (391-392). The seminar planned for 1940-1941 is:

391-392. Cicero's Public Career.—6 s.h. PROFESSOR ROGERS

The following courses offered by the University of North Carolina are, under a co-operative agreement, open to graduate students and seniors of Duke University upon approval of the Dean of the Graduate School and the Head of the Department of Latin and Roman Studies:

Roman Dramatic Literature.	Professor Harrer
Roman Historical Literature.	Professor Harrer
Prose Writings of the Republic.	Professor Sanders
Mediaeval Latin.	Professor Johnson
The Satires of Juvenal.	Professor Sanders
Latin Epigraphy.	Professor Harrer
Cicero: Political Career and Works.	Professor Harrer
Comparative Grammar of Greek and Latin.	Professor Lane
Latin Palaeography.	Professor Harrer
Latin Seminar.	Professors Harrer, Johnson, Sanders

SANSKRIT

FOR SENIORS AND GRADUATES

Elementary Sanskrit. PROFESSOR LANE (U.N.C.)

SEMITICS

FOR SENIORS AND GRADUATES

O. T. 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING

## FOR GRADUATES

- O. T. 304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
- O. T. 305-306. Elementary Arabic.—6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR STINESPRING
- O. T. 307-308. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- O. T. 309. History of the Ancient Near East.—3 s.h.  
ASSOCIATE PROFESSOR STINESPRING
- N. T. 316. Judaism at the Beginning of the Christian Era.—3 s.h.  
PROFESSOR BRANSCOMB

## BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN—203 BIOLOGY BUILDING; PROFESSOR WOLF,  
DIRECTOR OF GRADUATE STUDIES—315 BIOLOGY BUILDING; ASSOCIATE  
PROFESSORS HARRAR AND KRAMER; ASSISTANT PROFESSORS  
ADDOMS, OOSTING, AND PERRY; DR. ANDERSON

## FOR SENIORS AND GRADUATES

202. Genetics.—Prerequisites: one year of botany, zoology, or equivalent,  
and college algebra. 4 s.h. ASSISTANT PROFESSOR PERRY
203. Plant Cytology.—Prerequisite: two years of botany. 4 s.h.  
DR. ANDERSON
204. Advanced Plant Anatomy.—Prerequisite: Botany 55 or equivalent.  
4 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR ADDOMS
216. Botanical Microtechnique.—Prerequisite: Three semesters of botany.  
4 s.h. DR. ANDERSON  
[Not offered in 1940-41]
221. Structure and Classification of Fungi.—Prerequisite: two years of  
botany. 4 s.h. PROFESSOR WOLF
- 225-226. Special Problems.—Credits to be arranged.
- (a) Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF
- (b) Cytology. DR. ANDERSON
- (c) Ecology. ASSISTANT PROFESSOR OOSTING
- (d) Genetics. ASSISTANT PROFESSOR PERRY
- (e) Morphology and Anatomy of Higher Plants.  
ASSOCIATE PROFESSOR HARRAR, ASSISTANT  
PROFESSORS OOSTING AND ADDOMS
- (f) Morphology and Taxonomy of Lower Groups.  
PROFESSOR BLOMQUIST AND DR. ANDERSON
- (g) Physiology. ASSOCIATE PROFESSOR KRAMER AND  
ASSISTANT PROFESSOR ADDOMS
- (h) Plant Microchemistry. ASSISTANT PROFESSOR ADDOMS
- (i) Taxonomy of Higher Groups. PROFESSOR BLOMQUIST



252. **Advanced Plant Physiology.**—Prerequisite: Botany 151 or equivalent; organic chemistry recommended. 4 s.h. ASSOCIATE PROFESSOR KRAMER
255. **Advanced Taxonomy.**—Prerequisite: two years of botany, including Botany 52 or equivalent. 4 s.h. PROFESSOR BLOMQUIST
256. **Field Ecology.**—Prerequisites: Botany 1, 2, and 52, or equivalent. 4 s.h. ASSISTANT PROFESSOR OOSTING  
[Not offered in 1940-41]

## FOR GRADUATES

305. **Plant Geography.**—Prerequisite: Botany 156 or equivalent. 4 s.h. ASSISTANT PROFESSOR OOSTING
310. **Structure and Classification of Bryophytes and Pteridophytes.**—Prerequisite: two years of botany. 4 s.h. PROFESSOR BLOMQUIST
311. **Structure and Classification of Algae.**—Prerequisite: two years of botany. 4 s.h. PROFESSOR BLOMQUIST
341. **Methods in Plant Physiology.**—4 s.h. ASSOCIATE PROFESSOR KRAMER  
[Not offered in 1940-41]
342. **Plant Microchemistry.**—2 s.h. ASSISTANT PROFESSOR ADDOMS
- 359-360. **Research in Botany.**—Credits to be arranged. STAFF
- 397-398. **General Botanical Seminar.**—2 s.h. STAFF

## FOREST BOTANY

## FOR SENIORS AND GRADUATES

224. **Forest Pathology.**—Prerequisites: Botany 1, 2, 3 or 4 s.h. PROFESSOR WOLF
253. **Dendrology.**—Prerequisite: two years of botany. 4 s.h. ASSOCIATE PROFESSOR HARRAR

## RELATED COURSES IN OTHER DEPARTMENTS

These related courses may be counted toward a major in Botany.

- Zoology 341. **Historical and Philosophical Zoology.**—2 s.h. PROFESSOR HARGITT
- Forestry 257. **Design of Forestry Experiments and Analysis of Data.**—5 s.h. PROFESSOR SCHUMACHER

## CHEMISTRY

PROFESSOR GROSS, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—219 CHEMISTRY BUILDING; PROFESSORS LONDON, VOSBURGH, AND WILSON; ASSOCIATE PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER\* AND SAYLOR; DRS. BRADSHER, BROWN, HILL, AND HOBBS

## FOR SENIORS AND GRADUATES

- 215-216. **Advanced Inorganic Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214 and ability to read German are desirable. 6 s.h. PROFESSOR VOSBURGH AND DR. HILL  
[Not offered in 1940-41]

\* Absent on leave, first semester, 1940-41.

241. **Physiological Chemistry.**—Prerequisites: Chemistry 70 and 151-152.  
4 s.h. PROFESSOR WILSON
242. **Metabolism.**—Two lectures, credit 2 s.h., and 6 laboratory hours,  
credit 2 s.h. 4 s.h. PROFESSOR WILSON
- 253-254. **Advanced Organic Chemistry.**—Prerequisites: Chemistry 151-152  
or equivalent and a reading knowledge of German. 6 or 8 s.h.  
ASSOCIATE PROFESSOR BIGELOW, ASSISTANT  
PROFESSOR HAUSER, AND DR. BROWN
- 261-262. **Physical Chemistry.**—Prerequisites: Chemistry 70, 151-152, Phys-  
ics 1-2 or equivalent and Mathematics 7-8 or equivalent. 6 s.h.  
PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS
271. **Introduction to Research.**—1 s.h.  
PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR BIGELOW  
[Not offered in 1940-41]
- 273-274. **Seminar.**—2 s.h.  
PROFESSORS GROSS AND VOSBURGH; ASSOCIATE PROFESSOR BIGELOW;  
ASSISTANT PROFESSORS HAUSER AND SAYLOR; DRS.  
BRADSHER, BROWN, HILL, AND HOBBS
- 275-276. **Research.**—3 or 6 s.h.  
PROFESSORS GROSS, LONDON, VOSBURGH AND WILSON; ASSOCIATE  
PROFESSOR BIGELOW; ASSISTANT PROFESSORS HAUSER AND  
SAYLOR; DRS. BRADSHER, BROWN, HILL, AND HOBBS

## FOR GRADUATES

303. **Thermodynamics.**—3 s.h. PROFESSORS GROSS AND SPONER
304. **Chemical Thermodynamics.**—3 s.h. PROFESSORS GROSS AND VOSBURGH
- 351-352. **Advanced Synthetic Organic Chemistry.**—2 s.h.  
ASSOCIATE PROFESSOR BIGELOW AND  
ASSISTANT PROFESSOR HAUSER
- 363-364. **Advanced Physical Chemistry.**—Prerequisites: Chemistry 261-262  
or its equivalent and calculus. 6 s.h.  
PROFESSORS GROSS AND VOSBURGH; ASSISTANT  
PROFESSOR SAYLOR; DRS. HILL AND HOBBS
- 365-366. **Chemical Physics. Statistical Theory, Principles and Applica-  
tions.**—6 s.h. PROFESSOR LONDON
- 367-368. **Chemical Physics. Theoretical Aspects of Atomic and Molecular  
Structure.**—6 s.h. PROFESSOR LONDON  
[Not offered in 1940-41]

RELATED COURSES IN OTHER DEPARTMENTS  
BIOCHEMISTRY

- M241. **General Biochemistry.**—Prerequisites: general chemistry, organic  
chemistry, elementary physical and analytical chemistry and at least one  
year of college biology. 6 s.h. DRs. PERLZWEIG AND TAYLOR, AND STAFF
- M242. **Biochemical Preparations.**—Prerequisite: Biochemistry M241.  
2 s.h. DR. TAYLOR AND STAFF
- M243-244. **Physical Chemical and Colloid Chemical Principles of Bio-  
chemistry.** DR. NEURATH

M341. **Pathological Chemistry.**—Prerequisites: Biochemistry M241 and Physiology M261-2. DRs. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

M363-4. **Advanced Seminar in Nutrition.**—Prerequisites: Biochemistry M241 and Physiology M261 or equivalents. 4 s.h. DR. DANN

#### BOTANY

342. **Plant Microchemistry.**—2 s.h. ASSISTANT PROFESSOR ADDOMS

#### PHYSICS

323. **Theory of Atomic Spectra.**—3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]

324. **Theory of Molecular Spectra.**—3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]

### ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR GLASSON, CHAIRMAN—105 SCHOOL OF RELIGION; PROFESSOR HAMILTON, DIRECTOR OF GRADUATE STUDIES—503 LIBRARY; PROFESSORS HOOVER, SPENGLER, AND VON BECKERATH; ASSOCIATE PROFESSORS DE VYVER AND RATCHFORD; ASSISTANT PROFESSORS BLACK, EITEMAN, LESTER, AND SPRINGER

#### FOR SENIORS AND GRADUATES

217. **Business Cycles.**—3 s.h. PROFESSOR SPENGLER

218. **Population Problems and the Standard of Living.**—3 s.h.  
PROFESSOR SPENGLER

230. **Public Debts in the United States.**—3 s.h.  
ASSOCIATE PROFESSOR RATCHFORD

231. **The Economic History of Modern Europe.**—3 s.h.  
PROFESSOR HAMILTON

232. **The Economic History of the United States.**—3 s.h.  
PROFESSOR HAMILTON

233. **State and Local Finance.**—Prerequisite: Economics 187 or equivalent. 3 s.h.  
ASSOCIATE PROFESSOR RATCHFORD

234. **Federal Finance.**—Prerequisite: Economics 187 or equivalent. 3 s.h.  
ASSOCIATE PROFESSOR RATCHFORD

237-238. **Statistical Methods.**—Prerequisite: Business Statistics 138 or consent of the instructor. 6 s.h.  
ASSISTANT PROFESSOR SPRINGER

239. **Prices.**—3 s.h. PROFESSOR HAMILTON

241-242. **Value and Distribution.**—6 s.h. PROFESSOR SPENGLER

245-246. **Problems of Modern Industrialism.**—6 s.h.  
PROFESSOR VON BECKERATH

253. **Labor Problems.**—3 s.h. ASSOCIATE PROFESSOR DE VYVER

256. **Labor Legislation.**—Prerequisite: Economics 51-52; Economics 253, or with the consent of the instructor. 3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR DE VYVER

260. **Social Insurance.**—3 s.h. ASSOCIATE PROFESSOR DE VYVER

265. International Trade and Tariff Policies.—3 s.h.  
 PROFESSOR VON BECKERATH

266. International Finance.—3 s.h. PROFESSOR HAMILTON

268. Competitive versus Monopolistic Enterprise.—3 s.h.  
 PROFESSOR VON BECKERATH

275-276. Advanced Industrial Accounting and Management.—Courses 57-58 and 105 are ordinarily prerequisites for this course. 6 s.h.  
 ASSISTANT PROFESSOR BLACK

## FOR GRADUATES

311-312. History of Political Economy.—6 s.h. PROFESSOR HAMILTON

313-314. Seminar in Economic Theory.—Prerequisite: Economics 241-242 or its equivalent. 6 s.h. PROFESSOR HOOVER

315. Economic Systems.—Credit for this course will be given only if the student takes Economics 316. 3 s.h. PROFESSOR HOOVER

316. Economic Functions of the State.—Prerequisite: Economics 315 or its equivalent. 3 s.h. PROFESSOR HOOVER

318. General Seminar in Economics. STAFF

## RELATED COURSES IN OTHER DEPARTMENTS

Attention is called to the following courses in related departments:

Forestry 279. Economics of Forestry.—3 s.h.  
 ASSOCIATE PROFESSOR THOMSON

History 219-220. The History of the European Proletariat.—6 s.h.  
 [Not offered in 1940-41] PROFESSOR CARROLL

Political Science 207. American Constitutional Law and Theory.—3 s.h.  
 PROFESSOR WILSON

Political Science 209. State and Local Government in the United States.—3 s.h.  
 PROFESSOR RANKIN

Political Science 271. Socio-Politics and Capitalism.—3 s.h.  
 PROFESSOR VON BECKERATH

Sociology 219. Urban Sociology.—3 s.h. ASSISTANT PROFESSOR THOMPSON

Sociology 220. Rural Sociology.—3 s.h. ASSISTANT PROFESSOR THOMPSON

Sociology 227. Emigration and Immigration.—3 s.h.  
 [Not offered in 1940-41] PROFESSOR JENSEN

## EDUCATION

PROFESSOR HOLTON, CHAIRMAN—113 ADMINISTRATION BUILDING; PROFESSOR BROWNELL,\* DIRECTOR OF GRADUATE STUDIES—1C WEST DUKE BUILDING; PROFESSORS CARR, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR SCATES; ASSISTANT PROFESSOR EASLEY

## ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. Technique of Teaching.—3 s.h. PROFESSOR CARR  
 [Not offered in 1940-41]

\* Absent on leave, 1940-41.

212. Psychology of the Elementary School Subjects.—3 s.h.  
PROFESSOR CARR
222. The Curriculum and Materials of the Elementary Grades.—3 s.h.  
PROFESSOR CARR
232. Elementary School Supervision.—3 s.h.  
[Not offered in 1940-41] PROFESSOR CARR

#### EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

##### FOR SENIORS AND GRADUATES

208. Mental Tests and Applications.—Prerequisite: course 258 or six semester hours of other work in educational psychology or psychology. 3 s.h.  
ASSISTANT PROFESSOR EASLEY
209. Statistical Methods Applied to Education.—2 s.h.  
ASSOCIATE PROFESSOR SCATES
216. Psychological Principles of Secondary Education.—3 s.h.  
[Not offered in 1940-41] PROFESSOR CHILDS
217. Advanced Educational Psychology.—3 s.h.  
ASSISTANT PROFESSOR EASLEY
218. Educational Implications of Genetic Psychology.—Prerequisite: six semester hours of psychology or educational psychology. 3 s.h.  
[Not offered in 1940-41] PROFESSOR BROWNELL
219. Experimental Education.—3 s.h.  
[Not offered in 1940-41] PROFESSOR BROWNELL
227. The Psychology of Learning: Problems.—3 s.h.  
ASSISTANT PROFESSOR EASLEY
228. The Psychology of Learning: Theoretical and Experimental.—Prerequisite: course 227 or its equivalent. 3 s.h. ASSISTANT PROFESSOR EASLEY
237. Investigations in Reading.—3 s.h. PROFESSOR CARR
247. Investigations in Arithmetic.—3 s.h.  
[Not offered in 1940-41] PROFESSOR BROWNELL
258. Educational Measurements.—Prerequisite: twelve semester hours in the Department, including a course in educational psychology. 3 s.h.  
ASSOCIATE PROFESSOR SCATES

##### FOR GRADUATES

- 307-308. Seminar in Educational Psychology.—4 s.h.  
ASSISTANT PROFESSOR EASLEY
- 309-310. Research in Educational Psychology.—3 to 6 s.h.  
[Not offered in 1940-41] PROFESSOR BROWNELL
- Education 320. Advanced Educational Statistics.—3 s.h.  
ASSOCIATE PROFESSOR SCATES
338. Research in Reading.—3 s.h.  
[Not offered in 1940-41] PROFESSOR CARR
339. Research Course in Educational Tests.—Prerequisite: the equivalent of course 258. 3 s.h.  
ASSOCIATE PROFESSOR SCATES
348. Research in Arithmetic.—3 s.h.  
[Not offered in 1940-41] PROFESSOR BROWNELL

**HISTORY AND PHILOSOPHY OF EDUCATION**

FOR SENIORS AND GRADUATES

200. Introduction to the Philosophy of Education.—3 s.h.  
PROFESSOR HOLTON
214. History of Education in the United States.—3 s.h.  
[Not offered in 1940-41] PROFESSOR HOLTON
244. Studies in the Historical Development of Public School Administration.—3 s.h.  
[Not offered in 1940-41] PROFESSOR HOLTON
254. History of Secondary Education in the United States.—3 s.h.  
[Not offered in 1940-41] PROFESSOR PROCTOR
264. Recent Movements in American Education.—3 s.h.  
[Not offered in 1940-41] PROFESSOR HOLTON
294. Comparative Education: Recent Movements in European Educational Systems.—3 s.h.  
PROFESSOR CARR

**PUBLIC SCHOOL ADMINISTRATION**

FOR SENIORS AND GRADUATES

203. Principles of School Administration.—Prerequisite: Education 103 and 58, or six semester hours of equivalent work in education. 3 s.h.  
PROFESSOR PROCTOR
233. Administrative Pupil-Accounting.—3 s.h. PROFESSOR PROCTOR
234. Secondary School Organization and Administration.—3 s.h.  
PROFESSOR PROCTOR
253. Legal Phases of School Administration.—3 s.h. PROFESSOR HOLTON  
[Not offered in 1940-41]

FOR GRADUATES

323. Public School Finance.—3 s.h. PROFESSOR PROCTOR  
[Not offered in 1940-41]
343. State and County School Administration.—3 s.h.  
PROFESSOR PROCTOR
363. City School Administration.—3 s.h. PROFESSOR PROCTOR  
[Not offered in 1940-41]

**SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY**

FOR SENIORS AND GRADUATES

205. Curriculum Problems in Secondary Education.—3 s.h.  
PROFESSOR CHILDS
206. Sociological Foundations of the Secondary School Subjects.—Prerequisite: six semester hours in education, including course 105. 3 s.h.  
PROFESSOR CHILDS
225. The Teaching of History and the Social Studies.—3 s.h.  
ASSISTANT PROFESSOR MANCHESTER
246. The Teaching of Mathematics.—3 s.h. PROFESSOR RANKIN
266. The Teaching of High-School French.—3 s.h. PROFESSOR WEBB



## METHODOLOGY OF RESEARCH

FOR GRADUATES

300. Methods of Educational Research: Seminar.—3 s.h.

MEMBER OF THE DEPARTMENT

## RELATED COURSES IN OTHER DEPARTMENTS

FOR MAJORS IN EDUCATIONAL PSYCHOLOGY, ELEMENTARY EDUCATION,  
AND SECONDARY EDUCATION

Psychology 206. Social Psychology.—3 s.h.

ASSOCIATE PROFESSOR ADAMS

Psychology 209. Experimental Methods in Human Psychology.—4 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR ZENER

Psychology 211. Physiological Psychology.—4 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR ZENER

Psychology 216. Seminar in Comparative Psychology.—2 or 3 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR ADAMS

Psychology 217. Gestalt Theory.—3 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR ADAMS

3 s.h. Psychology 226. Contemporary Schools of Psychology.—*First semester.*  
ASSOCIATE PROFESSOR ZENER

Psychology 306. Seminar in Child Psychology.—2 or 3 s.h.

ASSOCIATE PROFESSOR ADAMS

Psychology 309. Theory of Learning.—3 s.h.

[Not offered in 1940-41]

ASSOCIATE PROFESSOR ADAMS

Psychology 315. Developmental Psychology.—3 s.h.

ASSOCIATE PROFESSOR ADAMS

Sociology 212. Child Welfare.—3 s.h.

[Not offered in 1940-41]

PROFESSOR JENSEN

Sociology 213. Constructive Social Policies.—2 s.h.

[Not offered in 1940-41]

PROFESSOR JENSEN

Sociology 232. Cultural Anthropology.—3 s.h.

[Not offered in 1940-41]

PROFESSOR HART

Sociology 319. Principles of Sociology.—3 s.h.

PROFESSOR ELLWOOD

Sociology 320. History of Social Philosophy.—3 s.h.

PROFESSORS ELLWOOD AND JENSEN

FOR MAJORS IN PUBLIC SCHOOL ADMINISTRATION

Economics 230. Public Debts in the United States.—3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

3 s.h. Political Science 209. State and Local Government in the United States.—  
PROFESSOR RANKIN

Political Science 291. Municipal Government.—3 s.h. PROFESSOR RANKIN

Religion 365. Seminar in Character Education and the State.—2 s.h.

PROFESSOR SMITH

Sociology 213. Constructive Social Policies.—2 s.h.

[Not offered in 1940-41]

PROFESSOR JENSEN

## FOR MAJORS IN HISTORY AND PHILOSOPHY OF EDUCATION

- History 209-210. Constitutional History of the United States, 1763-1860.—  
6 s.h. ASSISTANT PROFESSOR STILL
- Philosophy 205. The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
- Philosophy 208. Political Philosophy.—3 s.h.  
ASSOCIATE PROFESSOR MORGAN
- Philosophy 223. Contemporary Philosophy.—*Second semester.* 3 s.h.  
[Not offered in 1940-41] PROFESSOR WIDGERY
- Religion 362. Ethical Theory of Christian Education.—3 s.h.  
PROFESSOR SMITH
- Religion 363-364. Religious Thought in the Rise of American Culture.—  
6 s.h. PROFESSOR SMITH
- Sociology 319. Principles of Sociology.—3 s.h. PROFESSOR ELLWOOD
- Sociology 320. History of Social Philosophy.—3 s.h.  
PROFESSORS ELLWOOD AND JENSEN

## ENGLISH

PROFESSOR BROWN, CHAIRMAN—2A WEST DUKE BUILDING; PROFESSOR WHITE,  
DIRECTOR OF GRADUATE STUDIES—401 LIBRARY; PROFESSORS BAUM,\*  
GILBERT,\* GOHDES,\* HUBBELL, AND IRVING; ASSISTANT  
PROFESSORS ALLEN, ANDERSON, AND WARD

## FOR SENIORS AND GRADUATES

- 201-202. Anglo-Saxon.—6 s.h. PROFESSOR BROWN
- 203-204. Chaucer.—6 s.h.  
[Only 203 offered in 1940-41] PROFESSOR BAUM
- 207-208. English Literature, 1400-1550.—6 s.h.  
[Not offered in 1940-41] PROFESSOR BAUM
- 209-210. English Literature other than Drama, 1625-1700.—6 s.h.  
ASSISTANT PROFESSOR WARD
- 211-212. English Literature other than Drama, 1550-1625.—6 s.h.  
ASSISTANT PROFESSOR ALLEN
- 213-214. Folk-Lore and Folk-Songs.—6 s.h. PROFESSOR BROWN
- 215-216. Elizabethan Drama.—6 s.h. ASSISTANT PROFESSOR ALLEN
217. Spenser.—3 s.h. ASSISTANT PROFESSOR ALLEN
218. Milton.—3 s.h. PROFESSOR GILBERT
- 219-220. English Literature of the Eighteenth Century.—6 s.h.  
PROFESSOR IRVING
- 227-228. Literary Criticism.—6 s.h.  
[Only 227 offered in 1940-41] PROFESSOR GILBERT
- 229-230. American Literature, 1800-1870.—6 s.h.  
PROFESSOR HUBBELL AND ASSISTANT PROFESSOR ANDERSON

\* Absent on leave, second semester, 1940-41.

231-232. **Special Studies in American Authors.**—6 s.h. PROFESSOR GOHDES  
[Not offered in 1940-41]

233-234. **American Literature since 1870.**—6 s.h.  
PROFESSOR GOHDES AND ASSISTANT PROFESSOR ANDERSON

239-240. **Shakespeare Problems.**—6 s.h. PROFESSOR BROWN  
[Not offered in 1940-41]

269-270. **Southern Literature and Culture.**—6 s.h. PROFESSOR HUBBELL  
[Only 269 offered in 1940-41]

FOR GRADUATES

303-304. **Studies in Elizabethan Literature.**—6 s.h. PROFESSOR GILBERT  
[Not offered in 1940-41]

307-308. **Southern Literature and Culture in the United States.**—6 s.h.  
PROFESSOR HUBBELL

313-314. **Studies in the Romantic Writers of the Early Nineteenth Century.**—6 s.h. PROFESSOR WHITE  
[Not offered in 1940-41]

315-316. **Middle English.**—6 s.h. PROFESSOR BAUM  
[Only 315 offered in 1940-41]

317-318. **Studies in Victorian Literature.**—6 s.h. PROFESSOR BAUM  
[Only 317 offered in 1940-41]

349-350. **Research Courses.**—6 s.h.

Students who wish to elect one of these as a seminar course should consult the Director of Graduate Studies as early as possible.  
In 1940-41 (e), (h), and (i) are offered.

(a) **Folk-Lore and the Ballad.** PROFESSOR BROWN

(b) **Shakespeare Problems.** PROFESSOR BROWN

(c) **English Language and Literature, 1200-1550.** PROFESSOR BAUM

(d) **Victorian Literature.** PROFESSOR BAUM

(e) **Elizabethan and Seventeenth-Century Literature.** PROFESSOR GILBERT

(f) **Literary Criticism.** PROFESSOR GILBERT

(g) **The Eighteenth Century.** PROFESSOR IRVING

(h) **The Romantic Movement.** PROFESSOR WHITE

(i) **American Literature.** PROFESSORS HUBBELL AND GOHDES

RELATED COURSES IN OTHER DEPARTMENTS

The attention of students of English is directed to the following courses:

German 301-302. **Gothic—Middle High German.**—6 s.h. PROFESSOR VOLLMER

Greek 201-202. **Greek Tragedy.**—6 s.h. PROFESSOR PEPPLER AND ASSISTANT PROFESSOR WAY

History 221-222. **The Age of the Renaissance.**—6 s.h. ASSOCIATE PROFESSOR NELSON

- History 223-224. Medieval Institutions and Culture.—6 s.h.**  
ASSISTANT PROFESSOR QUINN
- Philosophy 201-202. The Philosophy of Art.—6 s.h. (E)**  
PROFESSOR GILBERT
- Philosophy 213-214. History of Aesthetics.—6 s.h. (E)** PROFESSOR GILBERT  
[Not offered in 1940-41]
- Psychology 202. Psychology of Aesthetics.—3 s.h.** PROFESSOR LUNDHOLM

### FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—FEW  
QUADRANGLE, HOUSE GG-010; PROFESSORS BEAL, SCHUMACHER, AND WOLF;  
ASSOCIATE PROFESSORS HARRAR, KRAMER, MAUGHAN, AND  
THOMSON; ASSISTANT PROFESSOR COILE

#### FOR SENIORS AND GRADUATES

- 224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. 4 s.h.**  
PROFESSOR WOLF
- 231. Forest Entomology.—3 s.h.**  
PROFESSOR BEAL
- 251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. 2 s.h.**  
PROFESSOR SCHUMACHER
- 252. Forest Mensuration.—Prerequisite: Forestry<sup>3</sup> 251. 2 s.h.**  
PROFESSOR SCHUMACHER
- 253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.**  
ASSOCIATE PROFESSOR HARRAR
- 257. Design of Forestry Experiments and Analysis of Data.—5 s.h.**  
PROFESSOR SCHUMACHER
- 259. Wood Anatomy and Properties.—Prerequisites: One year of Botany and Chemistry 1 and 2, or equivalents. 3 s.h.** ASSOCIATE PROFESSOR HARRAR
- 261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. 3 s.h.**  
ASSISTANT PROFESSOR COILE
- 264. Silvics.—Desirable prerequisites: Plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. 3 s.h.** PROFESSOR KORSTIAN
- 276. Forest Policy.—2 s.h.** ASSOCIATE PROFESSOR THOMSON
- 279. Economics of Forestry.—Prerequisite: at least one course in the principles of economics. 3 s.h.** ASSOCIATE PROFESSOR THOMSON

#### FOR GRADUATES

- 323-324. Advanced Forest Pathology.—Prerequisites: plant physiology and forest pathology. Credits to be arranged.** PROFESSOR WOLF
- 351-352. Advanced Physiology of Forest Trees.—Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged.**  
ASSOCIATE PROFESSOR KRAMER
- 354. Forest Soil Fertility.—Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. 3 s.h.** ASSISTANT PROFESSOR COILE

356. **Economic Forces in Forestry.**—Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. 2 s.h.

ASSOCIATE PROFESSOR THOMSON

357-358. **Research in Forestry.**—Credits to be arranged.

a. **Silvics.**—Prerequisites: Forestry 253-254, 261, and 264, or equivalents.  
PROFESSOR KORSTIAN

b. **Forest Soils.**—Prerequisite: Forestry 261 or equivalent.  
ASSISTANT PROFESSOR COILE

d. **Forest Management.**—Prerequisite: Forestry 281 or equivalent.  
ASSOCIATE PROFESSOR MAUGHAN

e. **Forest Economics.**—Prerequisite: Forestry 279 or equivalent.  
ASSOCIATE PROFESSOR THOMSON

f. **Wood Anatomy and Properties.**—Prerequisites: Forestry 259 and 260, or equivalents.  
ASSOCIATE PROFESSOR HARRAR

g. **Forest Mensuration.**—Prerequisites: Forestry S151, 251, and 252, or equivalents.  
PROFESSOR SCHUMACHER

h. **Forest Entomology.**—Prerequisite: Forestry 231 or equivalent.  
PROFESSOR BEAL

### GERMANIC LANGUAGES AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—205 PAGE AUDITORIUM; PROFESSOR KRUMMEL

#### FOR SENIORS AND GRADUATES

201-202. **Goethe.**—6 s.h. PROFESSOR KRUMMEL  
[Not offered in 1940-41]

207-208. **German Romanticism.**—6 s.h. PROFESSOR VOLLMER  
[Not offered in 1940-41]

209-210. **Kleist, Grillparzer, and Hebbel.**—6 s.h. PROFESSOR KRUMMEL

211-212. **Heinrich Heine and the Young German Movement.**—6 s.h.  
PROFESSOR VOLLMER

213-214. **Literature of the Empire, 1871-1914.**—6 s.h. PROFESSOR VOLLMER

#### FOR GRADUATES

301-302. **Gothic—Middle High German.**—6 s.h. PROFESSOR VOLLMER

303-304. **German Seminar.** PROFESSORS VOLLMER AND KRUMMEL

#### RELATED COURSES IN OTHER DEPARTMENTS

History 217-218. **Europe since 1870.**—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]

History 221-222. **The Age of the Renaissance.**—6 s.h.  
ASSOCIATE PROFESSOR NELSON

History 223-224. **Medieval Institutions and Culture.**—6 s.h.  
ASSISTANT PROFESSOR QUINN

History 225-226. **The Age of the Reformation.**—6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR NELSON

**Philosophy 213-214. History of Aesthetics.—6 s.h. (E) PROFESSOR GILBERT**  
[Not offered in 1940-41]

**Philosophy 223. Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY**  
[Not offered in 1940-41]

**Sociology 320. History of Social Philosophy.—3 s.h.**  
PROFESSORS ELLWOOD AND JENSEN

### HISTORY

PROFESSOR LAPRADE, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—2B WEST  
DUKE BUILDING; PROFESSORS CARROLL\* AND SYDNOR; ASSOCIATE PROFESSORS  
CLYDE, LANNING, AND NELSON; ASSISTANT PROFESSORS MAN-  
CHESTER, QUINN, STILL, AND WOODY

#### AMERICAN HISTORY

##### FOR SENIORS AND GRADUATES

209-210. **Constitutional History of the United States, 1763-1860.—Pre-**  
requisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL

215-216. **History of the Foreign Relations of the United States.—6 s.h.**  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CLYDE

231. **The Hispanic Colonies of the New World.—3 s.h.**  
ASSOCIATE PROFESSOR LANNING

232. **The Hispanic American Republics of the New World.—3 s.h.**  
ASSOCIATE PROFESSOR LANNING

233. **The Cultural and Institutional History of Colonial Hispanic Amer-**  
**ica.—3 s.h.** ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

234. **Political and Social Problems in the Hispanic American Republics.—**  
**3 s.h.** ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

263-264. **American Colonial History and the Revolution, 1606-1783.—6 s.h.**  
ASSISTANT PROFESSOR WOODY

265-266. **The Westward Movement in the United States.—6 s.h.**  
[Not offered in 1940-41] ASSISTANT PROFESSOR STILL

##### FOR GRADUATES

304. **The Union, Confederacy, and Reconstruction.—4 s.h.**  
ASSISTANT PROFESSOR WOODY

315. **Seminar in Southern History.—Year course. 2 s.h.**  
PROFESSOR SYDNOR

321. **Seminar in the History of Spain and the Spanish-American Colonies.**  
—Year course. 2 s.h. ASSOCIATE PROFESSOR LANNING

329. **Historiography of the South.—Year course. 4 s.h.**  
[Not offered in 1940-41] ASSISTANT PROFESSOR WOODY

336. **The South in Federal Politics, 1789-1860.—4 s.h. PROFESSOR SYDNOR**  
[Not offered in 1940-41]

337. **Social and Economic Life of the Old South.—4 s.h.**  
PROFESSOR SYDNOR

\* Absent on leave, 1940-41.



## EUROPE AND THE FAR EAST

FOR SENIORS AND GRADUATES

- 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]
- 219-220. The History of the European Proletariat.—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]
- 221-222. The Age of the Renaissance.—6 s.h. ASSOCIATE PROFESSOR NELSON
- 223-224. Medieval Institutions and Culture.—6 s.h. ASSISTANT PROFESSOR QUINN
- 225-226. The Age of the Reformation.—6 s.h. ASSOCIATE PROFESSOR NELSON  
[Not offered in 1940-41]
- 241-242. Eastern Asia and the Pacific.—6 s.h. ASSOCIATE PROFESSOR CLYDE

FOR GRADUATES

305. Seminar in the History of England and the British Empire.—Year course. 2 s.h. PROFESSOR LAPRADE
317. Seminar in Recent European History.—Year course. 2 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]
325. British Nationality and Public Opinion.—Year course. 4 s.h. PROFESSOR LAPRADE
327. Modern Phases of the English Constitution.—Year course. 4 s.h. PROFESSOR LAPRADE  
[Not offered in 1940-41]
343. Seminar in the History of American Foreign Relations and the Far East.—Year course. 2 s.h. ASSOCIATE PROFESSOR CLYDE

## THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. The Teaching of History and the Social Studies.—3 s.h. ASSISTANT PROFESSOR MANCHESTER

## BIBLIOGRAPHY

FOR GRADUATES

326. Historiography and Bibliography.—2 s.h. MEMBERS OF THE DEPARTMENT  
[Not offered in 1940-41]

## RELATED COURSES IN OTHER DEPARTMENTS

- Church History 233. Church History to the Reformation.—3 s.h. ASSISTANT PROFESSOR PETRY
- Church History 334. The Church in America: The National Period.—3 s.h. PROFESSOR GARBER
- Economics 231. Economic History of Modern Europe.—3 s.h. PROFESSOR HAMILTON
- Economics 232. Economic History of the United States.—3 s.h. PROFESSOR HAMILTON
- Economics 311-312. History of Political Economy.—6 s.h. PROFESSOR HAMILTON

Economics 315. Economic Systems.—3 s.h. PROFESSOR HOOVER

Economics 316. Economic Functions of the State.—3 s.h.  
PROFESSOR HOOVER

Old Testament 309. History of the Ancient Near East.—3 s.h.  
ASSOCIATE PROFESSOR STINESPRING

Political Science 223. Political Thought to the Seventeenth Century.—  
3 s.h. PROFESSOR WILSON  
[Not offered in 1940-41]

Political Science 224.—Modern Political Theory.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WILSON

Religious Education 363-364. Religious Thought in the Rise of American  
Culture.—6 s.h. PROFESSOR SMITH

Sociology 320. History of Social Philosophy.—3 s.h.  
PROFESSORS ELLWOOD AND JENSEN

### MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—04 GRAY;  
PROFESSORS ELLIOTT, RANKIN, AND THOMAS; ASSOCIATE PROFESSOR  
CARLITZ; ASSISTANT PROFESSORS MILES\* AND ROBERTS;  
DRS. BOAS AND DRESSEL

#### FOR SENIORS AND GRADUATES

201. History of Mathematics.—3 s.h. PROFESSOR RANKIN  
[Not offered in 1940-41]

204. Teaching of Mathematics.—Must be preceded or accompanied by  
Mathematics 52 or 60. 3 s.h. PROFESSOR RANKIN  
[Not offered in 1940-41]

225. Theory of Equations.—Prerequisite: differential calculus. 3 s.h.  
[Not offered in 1940-41]

227-228. Theory of Numbers.—Prerequisite: integral calculus. 6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ

229-230. Algebraic Numbers.—Prerequisite: Mathematics 225. 6 s.h.  
ASSOCIATE PROFESSOR CARLITZ

235-236. Modern Algebra.—Prerequisite: differential calculus. 6 s.h.  
PROFESSOR THOMAS

250. Modern Geometry.—Prerequisite: differential calculus. 3 s.h.  
[Not offered in 1940-41]

252. Non-Euclidean Geometry.—Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]

255-256. Projective Geometry.—Prerequisite: differential calculus. 6 s.h.  
PROFESSOR THOMAS

271-272. Introductory Topology.—Prerequisite: integral calculus. 6 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR ROBERTS

275. Probability.—Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]

\* Absent on leave, 1940-41.

281. **Elementary Potential Theory.**—Prerequisite: integral calculus. 3 s.h.  
DR. DRESSEL
282. **Differential Equations of Mathematical Physics.**—Prerequisite: integral calculus. 3 s.h.  
DR. DRESSEL
283. **Fourier Series and Spherical Harmonics.**—Prerequisite: integral calculus. 3 s.h.  
ASSISTANT PROFESSOR MILES  
[Not offered in 1940-41]
284. **Vector Analysis.**—Prerequisite: integral calculus. 3 s.h.  
[Not offered in 1940-41]
287. **Mathematical Logic.**—3 s.h.  
[Not offered in 1940-41]
288. **Foundations of Mathematics.**—3 s.h.  
[Not offered in 1940-41]
- 291-292. **Theory of Functions.**—Prerequisite: Mathematics 140. 6 s.h.  
PROFESSOR GERGEN
- FOR GRADUATES
- 325-326. **Real Variable.**—Prerequisite: Mathematics 291-292. 6 s.h.  
DR. BOAS
- 331-332. **Complex Variable.**—Prerequisite: Mathematics 291-292.  
[Not offered in 1940-41]
- 333-334. **Analytic Theory of Numbers.**—Prerequisite: Mathematics 291-292. 6 s.h.  
[Not offered in 1940-41]
- 337-338. **Existence Theorems.**—Prerequisite: Mathematics 291-292. 6 s.h.  
[Not offered in 1940-41] PROFESSOR THOMAS
- 341-342. **Integral Equations.**—Prerequisites: Mathematics 131 and 139-140. 6 s.h.  
PROFESSOR ELLIOTT  
[Not offered in 1940-41]
- 343-344. **Ordinary Differential Equations.**—Prerequisite: Mathematics 291-292. 6 s.h.  
PROFESSOR THOMAS  
[Not offered in 1940-41]
- 353-354. **Trigonometric Series.**—Prerequisite: Mathematics 325-326. 6 s.h.  
[Not offered in 1940-41]
- 371-372. **Advanced Topology.**—Prerequisite: Mathematics 271-272. 6 s.h.  
ASSISTANT PROFESSOR ROBERTS
382. **Potential Theory.**—Prerequisites: Mathematics 281 and 325-326. 6 s.h.  
[Not offered in 1940-41]

## PHILOSOPHY

PROFESSOR WIDGERY,\* CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 SCHOOL OF RELIGION; PROFESSORS GILBERT AND SMITH; ASSOCIATE PROFESSOR MORGAN; ASSISTANT PROFESSOR LEONARD; AND DR. MCLARTY

FOR SENIORS AND GRADUATES

- 201-202. **The Philosophy of Art.**—6 s.h. PROFESSOR GILBERT
203. **The Philosophy of Conduct.**—3 s.h. ASSOCIATE PROFESSOR MORGAN

\* Absent on leave (Exchange), first semester, 1940-1941.

204. Christian Ethics.—3 s.h. PROFESSOR SMITH
205. The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
206. Modern Political Theory.—3 s.h. Political Science 224.  
[Not offered in 1940-41] PROFESSOR WILSON
207. Political Thought to the Seventeenth Century.—3 s.h. Political Science 223.  
[Not offered in 1940-41] PROFESSOR WILSON
208. Political Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 209-210. The Philosophy of Religion.—6 s.h. PROFESSOR WIDGERY  
[Not offered in 1940-41]
212. Psychology of Belief.—2 s.h. Psychology 228.  
[Not offered in 1940-41] PROFESSOR LUNDHOLM
- 213-214. History of Aesthetics.—6 s.h. PROFESSOR GILBERT  
[Not offered in 1940-41]
- 215-216. Plato.—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h.  
Greek 209-210. ASSISTANT PROFESSOR WAY
217. The Philosophy of Aristotle.—Prerequisite: 105. 3 s.h. DR. McLARTY
- 219-220. The Age of the Renaissance.—6 s.h. History 221-222.  
ASSOCIATE PROFESSOR NELSON
223. Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY  
[Not offered in 1940-41]
226. The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN  
[Not offered in 1940-41]
227. Foundations of Mathematics.—3 s.h. Mathematics 288.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ
228. Mathematical Logic.—3 s.h. Mathematics 287.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR CARLITZ
- 229-230. Contemporary Physics.—6 s.h. Physics 213-214.  
ASSISTANT PROFESSOR CONSTANT
- 231-232. Philosophy of Science.—6 s.h. ASSISTANT PROFESSOR LEONARD
234. Introduction to the Philosophy of Education.—3 s.h. Education 200.  
PROFESSOR HOLTON
236. Oriental Philosophy I. Chinese Philosophy.—3 s.h.  
[Not offered in 1940-41] ACTING PROFESSOR DUBS
238. Oriental Philosophy II. Indian Philosophy.—3 s.h.  
PROFESSOR WIDGERY
241. Logic.—3 s.h. ASSISTANT PROFESSOR LEONARD  
[Not offered in 1940-41]
242. Scientific Methodology.—3 s.h. ASSISTANT PROFESSOR LEONARD  
[Not offered in 1940-41]
244. Nietzsche and the Nineteenth Century.—3 s.h.  
ASSOCIATE PROFESSOR MORGAN

- 245-246. Philosophical Foundations of Religious Belief.—6 s.h.  
ACTING PROFESSOR DUBS
248. Philosophy of Values.—2 s.h. ACTING PROFESSOR DUBS
249. Platonism and Christianity.—3 s.h. Religion 221.  
ASSISTANT PROFESSOR OUTLER
250. Philosophical Theology in the Nineteenth Century.—3 s.h. Religion  
222. ASSISTANT PROFESSOR OUTLER

## FOR GRADUATES

- 301-302. Seminar in Philosophy.—4 s.h. PROFESSOR WIDGERY
305. Seminar: Spinoza.—3 s.h. PROFESSOR GILBERT  
[Not offered in 1940-41]
307. Seminar: Kant. ASSOCIATE PROFESSOR MORGAN  
[Not offered in 1940-41]
308. Seminar: Hegel.—3 s.h. PROFESSOR GILBERT
310. Seminar: Logical Positivism and Its Relation to Contemporary  
Movements in Philosophy and Science.—2 s.h. ASSISTANT PROFESSOR LEONARD  
[Not offered in 1940-41]
311. Historical and Philosophical Biology.—2 s.h. Zoology 341.  
PROFESSOR HARGITT
- 313-314. Seminar: Theories of Self.—4 s.h. Religion 377-378.  
PROFESSOR HICKMAN
315. Seminar: Leibnitz.—2 s.h. ACTING PROFESSOR DUBS  
[Not offered in 1940-41]
316. History of Social Philosophy.—3 s.h. Sociology 320.  
PROFESSORS ELLWOOD AND JENSEN
- 319-320. Religious Thought in the Rise of American Culture.—Prereq-  
uisite: Religious Education 261 or its equivalent. 6 s.h. Religion 363-364.  
PROFESSOR SMITH
322. Seminar in Philosophy of Religious Education.—Prerequisite: Re-  
ligious Education 261 or its equivalent. 3 s.h. Religion 366. PROFESSOR SMITH
323. Seminar: Bushnell, Channing, Emerson.—2 s.h. PROFESSOR SMITH
325. Seminar: Locke, Berkeley, Hume.—2 s.h. ASSISTANT PROFESSOR LEONARD
326. Seminar: Christian Ethics.—Selected problems. 2 s.h.  
PROFESSOR SMITH

## PHYSICS

PROFESSOR NIELSEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—101 PHYSICS  
BUILDING; PROFESSORS EDWARDS, HATLEY, NORDHEIM, AND SPONER; ASSIST-  
ANT PROFESSORS CONSTANT AND MOUZON; DRs. BONNER AND HEBB

## FOR SENIORS AND GRADUATES

- 203-204. Analytical Mechanics.—6 s.h. DR. HEBB
- 205-206. Physical Optics.—6 s.h. PROFESSOR HATLEY

211. History of Physics.—2 s.h. PROFESSOR EDWARDS
- 213-214. Contemporary Physics.—6 s.h. ASSISTANT PROFESSOR CONSTANT
- 215-216. Atomic Physics Laboratory.—2-4 s.h.  
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON
- 217-218. Advanced General Physics Laboratory.—2 s.h.  
PROFESSOR NIELSEN AND ASSISTANT PROFESSOR MOUZON
219. Vacuum Tubes and Their Application.—Prerequisites: 8 s.h. of physics, differential and integral calculus. 3 s.h.  
ASSISTANT PROFESSOR MOUZON
- 221-222. Introduction to Theoretical Physics.—6 s.h.  
ASSISTANT PROFESSOR CONSTANT

## FOR GRADUATES

303. Thermodynamics.—3 s.h. PROFESSORS GROSS AND SPONER
304. Kinetic Theory of Matter.—3 s.h. PROFESSOR SPONER
307. Theory of Electricity and Magnetism.—Prerequisite: Physics 221-222.  
3 s.h. ASSISTANT PROFESSOR CONSTANT
311. Conduction of Electricity through Gases.—3 s.h. PROFESSOR EDWARDS
- 315-316. Principles of Quantum Theory.—6 s.h. PROFESSOR NORDHEIM  
[Not offered in 1940-41]
317. Advanced Dynamics.—3 s.h. DR. HEBB
319. Electrodynamics.—3 s.h. PROFESSOR NORDHEIM
320. Theory of Electrons.—Prerequisite: Physics 319. 3 s.h.  
PROFESSOR NORDHEIM
323. Theory of Atomic Spectra.—3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]
324. Theory of Molecular Spectra.—3 s.h. PROFESSOR SPONER  
[Not offered in 1940-41]
340. Structure of Matter.—3 s.h. PROFESSORS SPONER AND NORDHEIM
- 341-342. Advanced Topics in Physics.—2-6 s.h.  
PROFESSORS SPONER AND NORDHEIM
- 343-344. Radioactivity and Nuclear Structure.—6 s.h. PROFESSOR NIELSEN
- 345-346. Colloquium.—No credit. STAFF
- 351-352. Seminar.—2 s.h. STAFF
- 353-354. Thesis Seminar.—6 s.h. STAFF

RELATED COURSES IN OTHER DEPARTMENTS  
CHEMISTRY

- 261-262. Physical Chemistry.—6 s.h.  
PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS
- 363-364. Advanced Physical Chemistry.—6 s.h.  
PROFESSORS GROSS AND VOSBURGH, ASSISTANT  
PROFESSOR SAYLOR, DRs. HILL AND HOBBS



365-366. Chemical Physics, Statistical Theory, Principles, and Applications.—6 s.h. PROFESSOR LONDON

367-368. Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.—6 s.h. PROFESSOR LONDON  
[Not offered in 1940-41]

#### ELECTRICAL ENGINEERING

261. Communication Engineering, Audio Frequency.—3 s.h. (E) PROFESSOR SEELEY  
262. Communication Engineering, Radio Frequency.—Prerequisite: course  
261. 4 s.h. (E) PROFESSOR SEELEY

#### MATHEMATICS

281. Elementary Potential Theory.—3 s.h. DR. DRESSSEL  
282. Differential Equations of Mathematical Physics.—3 s.h. DR. DRESSSEL  
283. Fourier Series and Spherical Harmonics.—3 s.h.  
[Not offered in 1940-41] ASSISTANT PROFESSOR MILES  
284. Vector Analysis.—3 s.h.  
[Not offered in 1940-41]

#### POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—311 LIBRARY;  
PROFESSORS RANKIN AND VON BECKERATH; ASSOCIATE PROFESSORS COLE AND  
SHIPMAN; ASSISTANT PROFESSOR LINEBARGER

#### FOR SENIORS AND GRADUATES

207. American Constitutional Law and Theory.—3 s.h. PROFESSOR WILSON  
209. State and Local Government in the United States.—3 s.h. PROFESSOR RANKIN  
211. Political Institutions of the Far East.—3 s.h. ASSISTANT PROFESSOR LINEBARGER  
212. International Politics of the Far East.—3 s.h. ASSISTANT PROFESSOR LINEBARGER  
223. Political Thought to the Seventeenth Century.—3 s.h. PROFESSOR WILSON  
[Not offered in 1940-41]  
224. Modern Political Theory.—3 s.h. PROFESSOR WILSON  
[Not offered in 1940-41]  
225-226. Comparative Government.—6 s.h. ASSOCIATE PROFESSOR COLE  
227-228. International Law and International Organization.—6 s.h. PROFESSOR WILSON  
229. Recent and Contemporary Political Theory.—3 s.h. ASSOCIATE PROFESSOR COLE  
230. American Political Institutions.—3 s.h. PROFESSOR RANKIN  
241-242. The Administrative Process.—6 s.h. ASSOCIATE PROFESSOR SHIPMAN

244. Administrative Law.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN  
[Not offered in 1940-41]

246. Legislation.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN

271. Socio-Politics and Capitalism.—3 s.h. PROFESSOR VON BECKERATH

291. Municipal Government.—3 s.h. PROFESSOR RANKIN

292. Municipal Administration.—3 s.h. PROFESSOR RANKIN  
[Not offered in 1940-41]

## FOR GRADUATES

310. Seminar in State Government.—3 s.h. PROFESSOR RANKIN

311. Seminar in Far Eastern Politics.—3 s.h.  
ASSISTANT PROFESSOR LINEBARGER

326. Seminar in Comparative Government.—Open to students who have completed course 225-226 or its equivalent. 3 s.h. ASSOCIATE PROFESSOR COLE  
[Not offered in 1940-41]

328. Seminar in International Law.—Open to students who have completed course 227-228 or its equivalent. 3 s.h. PROFESSOR WILSON

341. Seminar in Public Administration.—Open to students who have completed course 241-242 or its equivalent. 3 s.h. ASSOCIATE PROFESSOR SHIPMAN  
[Not offered in 1940-41]

## RELATED COURSES IN OTHER DEPARTMENTS

Economics 233. State and Local Finance.—3 s.h.  
ASSOCIATE PROFESSOR RATCHFORD

Economics 237-238. Statistical Methods.—6 s.h.  
ASSISTANT PROFESSOR SPRINGER

Economics 265. International Trade and Tariff Policies.—3 s.h.  
PROFESSOR VON BECKERATH

Economics 266. International Finance.—3 s.h. PROFESSOR HAMILTON

Economics 316. Economic Functions of the State.—3 s.h.  
PROFESSOR HOOVER

6 History 215-216. History of the Foreign Relations of the United States.—  
s.h. ASSOCIATE PROFESSOR CLYDE  
[Not offered in 1940-41]

History 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL  
[Not offered in 1940-41]

History 234. Political and Social Problems in the Hispanic American  
Republics.—3 s.h. ASSOCIATE PROFESSOR LANNING  
[Not offered in 1940-41]

Philosophy 208. Political Philosophy.—3 s.h.  
ASSOCIATE PROFESSOR MORGAN

Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]

## PSYCHOLOGY

PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE PROFESSORS ADAMS AND ZENER\*

FOR SENIORS AND GRADUATES

202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM
206. Social Psychology.—3 s.h. (Formerly 201.)  
ASSOCIATE PROFESSOR ADAMS
207. Psychology of Memory, Thinking, Perceiving.—3 s.h.  
ASSOCIATE PROFESSOR ZENER
209. Experimental Methods in Human Psychology.—4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ZENER
211. Physiological Psychology.—3 s.h. ASSISTANT PROFESSOR KEMP
216. Seminar in Comparative Psychology.—2 or 3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ADAMS
217. Gestalt Theory.—3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR ADAMS
223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
226. Contemporary Schools of Psychology.—3 s.h. *First semester.*  
ASSOCIATE PROFESSOR ZENER
228. Psychology of Belief.—2 s.h.  
[Not offered in 1940-41] PROFESSOR LUNDHOLM

FOR GRADUATES

302. Seminar: Schools of Abnormal Psychology.—3 s.h.  
PROFESSOR LUNDHOLM
- 303-304. Research.—2 or 3 s.h.  
PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE  
PROFESSORS ADAMS AND ZENER
306. Seminar in Child Psychology.—2 or 3 s.h.  
ASSOCIATE PROFESSOR ADAMS
307. Seminar in Psychology of Personality.—3 s.h. PROFESSOR RHINE  
[Not offered in 1940-41]
309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS  
[Not offered in 1940-41]
310. Seminar: Selected Problems in the Dynamics of Behavior.—3 s.h.  
ASSOCIATE PROFESSOR ZENER
- 313-314. Seminar in Parapsychology.—6 s.h. PROFESSOR RHINE
315. Developmental Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
317. Seminar: Special Problems in the Psychology of Aesthetics.—3 s.h.  
[Not offered in 1940-41] PROFESSOR LUNDHOLM

\* Absent on leave, first semester, 1940-1941.

## RELIGION

PROFESSOR SMITH, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—304 SCHOOL OF RELIGION; PROFESSORS BRANSCOMB, DUBS, GARBER, AND RUSSELL; ASSOCIATE PROFESSOR STINESPRING; ASSISTANT PROFESSORS CLARK,\* OUTLER, AND PETRY

## FIELD I. BIBLICAL STUDIES

- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
301. Old Testament Theology.—Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL
304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
- 305-306. Arabic.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- 307-308. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
309. History of the Ancient Near East.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
310. Old Testament Prophecy.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
218. Galatians and I Corinthians.—3 s.h. ASSISTANT PROFESSOR CLARK
220. I Peter and the Gospel of John.—3 s.h. ASSISTANT PROFESSOR CLARK
311. The Life and Teachings of Jesus.—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR BRANSCOMB
312. New Testament Theology.—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR RUSSELL
315. Hellenistic Religions at the Beginning of the Christian Era.—3 s.h. ASSISTANT PROFESSOR CLARK
316. Judaism at the Beginning of the Christian Era.—3 s.h. PROFESSOR BRANSCOMB
318. Text of New Testament.—3 s.h. ASSISTANT PROFESSOR CLARK

## FIELD II. STUDIES IN CHURCH HISTORY

322. The Medieval Church.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
331. The Social Message of the Early and Medieval Church.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
333. The Church in Europe since 1800.—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER
334. A History of Christian Renunciation in the Middle Ages.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
- 335-336. The Church in America.—Prerequisite: Church History 233-234. 6 s.h. PROFESSOR GARBER
337. Religion in the Southern States since the Civil War.—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER
339. Seminar on Frontier Religion.—Prerequisite: Church History 233-234. 2 s.h. PROFESSOR GARBER

\* Absent on leave, first semester, 1940-1941.

## FIELD III. STUDIES IN CHRISTIAN THEOLOGY AND ETHICS

221. Platonism and Christianity.—Prerequisite: six semester hours in philosophy or its equivalent. 3 s.h. ASSISTANT PROFESSOR OUTLER
222. Theology and Philosophy in the Nineteenth Century.—3 s.h. ASSISTANT PROFESSOR OUTLER
291. Christian Ethics.—3 s.h. PROFESSOR SMITH
295. Philosophical Foundations of Religious Belief I.—3 s.h. ACTING PROFESSOR DUBS
296. Philosophical Foundations of Religious Belief II.—3 s.h. ACTING PROFESSOR DUBS
350. Seminar in Applied Sociology.—*Second semester.* 1 to 3 s.h. PROFESSOR JENSEN
323. Seminar in Historical Theology.—2 s.h. ASSISTANT PROFESSOR OUTLER
366. Seminar in Philosophy of Religious Education.—Prerequisite: Religious Education 261 or its equivalent. 2 s.h. PROFESSOR SMITH
- 393-394. Religious Thought in the Rise of American Culture.—6 s.h. PROFESSOR SMITH
397. Seminar in American Religious Thought.—2 s.h. PROFESSOR SMITH
398. Seminar in Christian Ethics.—2 s.h. PROFESSOR SMITH

## OTHER COURSES

Certain other courses listed in this bulletin and in the bulletin of the School of Religion may be taken for graduate credit, provided they are approved by the chairman of the candidate's guidance committee and the Dean of the Graduate School.

## ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN—107 GRAY BUILDING; PROFESSOR JORDAN, DIRECTOR OF GRADUATE STUDIES—106 GRAY BUILDING; PROFESSOR COWPER; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; \* ASSISTANT PROFESSOR REID

## FRENCH

FOR SENIORS AND GRADUATES

- 213-214. The Classical Movement in French Literature of the Seventeenth and Eighteenth Centuries.—6 s.h. ASSOCIATE PROFESSOR WALTON
- 215-216. The Modern French Novel.—6 s.h. PROFESSOR JORDAN
217. French Phonetics.—3 s.h. PROFESSOR WEBB  
[Not offered in 1940-41]
218. Materials and Methods.—3 s.h. PROFESSOR WEBB
219. Old French.—3 s.h. PROFESSOR COWPER
220. Old French.—3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]

\* Absent on leave, second semester, 1940-41.

227. French Poetry since Théophile Gautier.—3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR WALTON

232. Rousseau and the Beginnings of Romanticism.—3 s.h.  
PROFESSOR COWPER

233. Main Currents of Modern French Literature.—3 s.h.  
ASSOCIATE PROFESSOR WALTON

## FOR GRADUATES

317. History of the French Language.—3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]

323-324. Realism and Naturalism.—6 s.h. PROFESSOR JORDAN  
[Not offered in 1940-41]

325-326. French Literature in the Sixteenth Century.—6 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR WALTON

328. Anatole France.—3 s.h. ASSOCIATE PROFESSOR WALTON  
[Not offered in 1940-41]

329. History of French Civilization.—3 s.h. PROFESSOR WEBB  
[Not offered in 1940-41]

331. Diderot and the Encyclopédie.—3 s.h. PROFESSOR COWPER  
[Not offered in 1940-41]

333-334. Contemporary French Literature.—6 s.h. PROFESSOR JORDAN

350. Nineteenth-Century French Criticism.—3 s.h. PROFESSOR JORDAN  
[Not offered in 1940-41]

## SPANISH

## FOR SENIORS AND GRADUATES

253. Spanish Phonetics.—Prerequisites: Spanish 65-66, or 3-4 with permission. (Enrollment limited to fifteen students.) 3 s.h.  
ASSOCIATE PROFESSOR LUNDEBERG

254. Materials and Methods.—Prerequisites: Spanish 65-66 or equivalent.  
3 s.h. ASSOCIATE PROFESSOR LUNDEBERG  
[Not offered in 1940-41]

260. Advanced Syntax and Composition.—Prerequisite: Spanish 65-66.  
(Enrollment limited to fifteen students.) 3 s.h. ASSISTANT PROFESSOR REID

261-262. The Modern Spanish Novel.—6 s.h.  
ASSOCIATE PROFESSOR LUNDEBERG

265. Golden Age Literature: Cervantes.—3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR LUNDEBERG

266. Golden Age Literature: The Don Juan Theme.—3 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR LUNDEBERG

## SOCIOLOGY

PROFESSOR ELLWOOD, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 GRAY  
BUILDING; PROFESSORS GROVES, HART AND JENSEN;\* ASSISTANT  
PROFESSOR THOMPSON

205. Social Pathology.—Prerequisite: course 91-92 or 101. 3 s.h.  
PROFESSOR JENSEN

\* Absent on leave, first semester, 1940-41.



206. **Criminology.**—Prerequisite: course 91-92 or 101. 3 s.h.  
PROFESSOR JENSEN
212. **Child Welfare.**—Prerequisite: course 91-92 or 101. 3 s.h.  
[Not offered in 1940-41] PROFESSOR JENSEN
213. **Constructive Social Policies.**—2 s.h.  
[Not offered in 1940-41] PROFESSOR JENSEN
219. **Urban Sociology.**—Prerequisite: course 91-92 or 101. 3 s.h.  
ASSISTANT PROFESSOR THOMPSON
220. **Rural Sociology.**—Prerequisite: course 91-92 or 101. 3 s.h.  
ASSISTANT PROFESSOR THOMPSON
227. **Emigration and Immigration.**—Prerequisite: course 91-92 or 101.  
3 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]
231. **General Anthropology.**—Prerequisite: course 91-92 or 101. 3 s.h.  
PROFESSOR HART
232. **Cultural Anthropology.**—3 s.h.  
[Not offered in 1940-41] PROFESSOR HART
233. **The World Crisis in the Light of Social Anthropology.**—3 s.h.  
[Not offered in 1940-41] PROFESSOR HART
234. **Social Ethics.**—3 s.h. PROFESSOR HART
236. **The American Indian.**—3 s.h.  
[Not offered in 1940-41]
242. **Marriage and the Family.**—Prerequisite for undergraduate credit:  
Sociology 91-92 or 101. 2 s.h.  
[Not offered in 1940-41]
252. **Education and Social Control.**—2 s.h. PROFESSOR ELLWOOD
281. **Public Opinion.**—3 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]

## FOR GRADUATES

317. **Seminar in Anthropology.**—1 to 3 s.h. PROFESSOR HART
318. **Religion and the World Crisis.**—3 s.h. PROFESSOR HART
319. **Principles of Sociology.**—3 s.h. PROFESSOR ELLWOOD
320. **History of Social Philosophy.**—3 s.h. PROFESSOR ELLWOOD
322. **Methods of Social Research.**—3 s.h. PROFESSOR JENSEN
330. **Seminar.**—1 s.h. PROFESSORS ELLWOOD, HART, AND JENSEN;  
ASSISTANT PROFESSOR THOMPSON
340. **Seminar.**—3 s.h. ASSISTANT PROFESSOR THOMPSON
342. **Seminar in Marriage and the Family.**—Special problems. Open to  
graduate students who have had at least twelve hours in Sociology and to  
all students in the School of Religion. 2-4 s.h.  
PROFESSOR GROVES (U. N. C.)
350. **Seminar in Applied Sociology.**—Second semester. 1 to 3 s.h.  
PROFESSOR JENSEN

351. Seminar in Medical Sociology.—2 s.h.

352. Seminar in Family Law.—2 s.h.

PROFESSOR BRADWAY

#### RELATED COURSES IN OTHER DEPARTMENTS

Economics 218. Population Problems and the Standard of Living.—3 s.h.  
PROFESSOR SPENGLER

Economics 315. Economic Systems.—3 s.h. PROFESSOR HOOVER

Economics 316. Economic Functions of the State.—3 s.h.  
PROFESSOR HOOVER

Philosophy 205. Philosophy of History.—3 s.h. PROFESSOR WIDGERY

3 Political Science 223. Political Thought to the Seventeenth Century.—  
3 s.h. PROFESSOR WILSON

[Not offered in 1940-41]

Political Science 224. Modern Political Theory.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WILSON

Psychology 206. Social Psychology.—2 s.h. ASSOCIATE PROFESSOR ADAMS

#### ZOOLOGY

PROFESSOR PEARSE, CHAIRMAN—219 BIOLOGY BUILDING; PROFESSOR HARGITT, DI-  
RECTOR OF GRADUATE STUDIES—326 BIOLOGY BUILDING; PROFESSORS CUN-  
NINGHAM AND HALL;\* ASSOCIATE PROFESSOR GRAY; DR. BOOKHOUT

##### FOR SENIORS AND GRADUATES

204. Advanced Parasitology.—Prerequisite: Zoology 161. 3 or 4 s.h.  
PROFESSOR PEARSE

222. Entomology.—Prerequisite: one year of zoology. 4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR GRAY

224. Vertebrate Zoology.—Prerequisite: Zoology 53. 4 s.h.  
ASSOCIATE PROFESSOR GRAY

229. Endocrinology.—Prerequisite: Zoology 53, 92. 3 or 4 s.h.  
PROFESSOR CUNNINGHAM

##### FOR GRADUATES

303. Ecology.—4 s.h. PROFESSOR PEARSE

306. Advanced Ecology.—Prerequisite: Zoology 303. 4 s.h.  
PROFESSOR PEARSE

307. Foundations of Zoology.—2 s.h.  
[Not offered in 1940-41] PROFESSOR PEARSE

321. General Physiology.—4 s.h. PROFESSOR HALL

324. Advanced Physiology.—Prerequisite: Zoology 151 or 321. 4 s.h.  
PROFESSOR HALL

3 327. Experimental Embryology.—Prerequisites: Zoology 92, 151 or 321.  
3 s.h. PROFESSOR CUNNINGHAM  
[Not offered in 1940-41]

341. Historical and Philosophical Zoology.—2 s.h. PROFESSOR HARGITT

\* Absent on leave, second semester, 1940-1941.

343. **Cytology.**—Prerequisites: Zoology 53, 92, 156 or equivalents. 4 s.h.  
[Not offered in 1940-41] PROFESSOR HARGITT

351-352. **Zoological Journal Club.**—Required of all graduate students who major in zoology. 2 s.h. STAFF

353-354. **Research.**—Hours and credits to be arranged.

(a) **Embryology and Endocrinology.** PROFESSOR CUNNINGHAM

(b) **Comparative and General Physiology.** PROFESSOR HALL

(c) **Histology and Cytology.** PROFESSOR HARGITT

(d) **Invertebrate Zoology.** DR. BOOKHOUT

(e) **Ecology, Parasitology, and Behavior.** PROFESSOR PEARSE

(f) **Vertebrate Zoology and Entomology.** ASSOCIATE PROFESSOR GRAY

355-356. **Seminar.**—Hours and credits to be arranged.

(a) **Embryology and Endocrinology.** PROFESSOR CUNNINGHAM

\* (b) **Comparative and General Physiology.** PROFESSOR HALL

(c) **Histology and Cytology.** PROFESSOR HARGITT

\* (d) **Invertebrate Zoology.** DR. BOOKHOUT

\* (e) **Ecology, Parasitology, and Behavior.** PROFESSOR PEARSE

\* (f) **Vertebrate Zoology and Entomology.** ASSOCIATE PROFESSOR GRAY

#### RELATED COURSES IN OTHER DEPARTMENTS

Courses such as the following should be considered as available for students in zoology:

Botany 202. **Genetics.**—4 s.h. ASSISTANT PROFESSOR PERRY

Botany 221. **Structure and Classification of Fungi.**—4 s.h.  
PROFESSOR WOLF

Botany 256. **Field Ecology.**—4 s.h. ASSISTANT PROFESSOR OOSTING

Botany 341. **Methods in Plant Physiology.**—4 s.h.  
[Not offered in 1940-41] ASSOCIATE PROFESSOR KRAMER

Botany 342. **Plant Microchemistry.**—2 s.h. ASSISTANT PROFESSOR ADDOMS

Chemistry 261-262. **Physical Chemistry.**—6 s.h.  
PROFESSOR GROSS, ASSISTANT PROFESSOR SAYLOR, AND DR. HOBBS

Physics 103. **Electricity and Magnetism.**—(Undergraduate credit only.)  
3 s.h. ASSISTANT PROFESSOR CONSTANT

Physics 104. **Electrical Measurements.**—(Undergraduate credit only.)  
3 s.h. PROFESSOR NIELSEN AND ASSISTANT PROFESSOR CONSTANT

Physics 205-206. **Physical Optics.**—6 s.h. PROFESSOR HATLEY

M221. **Bacteriology and Immunology.**—4 s.h. DR. D. T. SMITH AND STAFF

M323. **Advanced Bacteriology and Immunology.**—8 s.h.  
DR. D. T. SMITH AND STAFF

\* [Not offered in 1940-41]

M241. General Biochemistry.—6 s.h.

DRS. PERLZWEIG AND TAYLOR, AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—2 s.h.

DRS. W. J. DANN, EADIE, AND F. M. BERNHEIM

M363-364. Advanced Seminar in Nutrition.—4 s.h.

DR. DANN

### COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

PROFESSORS EADIE, PERLZWEIG, D. T. SMITH, AND SWETT; ASSOCIATE PROFESSORS  
F. M. BERNHEIM, DANN, HETHERINGTON, MARTIN, MCCREA, AND TAYLOR;  
ASSISTANT PROFESSORS M. L. C. BERNHEIM, CONANT, EVERETT,  
HOLLINSHEAD, AND NEURATH; DRs. COOLIDGE  
AND YOUNGSTROM

#### ANATOMY

M201. Gross Human Anatomy.—Hours and credits (maximum 8 s.h.) by  
arrangement. Prerequisites: adequate training in comparative anatomy and  
embryology. DR. SWETT AND STAFF

M202. Microscopic Anatomy.—Hours and credits (maximum 2 s.h.) by  
arrangement. Prerequisite: adequate training in histology or cytology.

DR. HETHERINGTON AND STAFF

M203. Anatomy of the Nervous System.—Hours and credits (maximum  
4 s.h.) by arrangement. Prerequisite: Anatomy M201. DR. HETHERINGTON

#### BACTERIOLOGY AND IMMUNOLOGY

M221. Bacteriology and Immunology.—Prerequisites: courses in general  
zoology, general botany, histology and comparative anatomy, general and  
organic chemistry. 4 s.h. DR. D. T. SMITH AND STAFF

M323. Advanced Bacteriology and Immunology.—8 s.h.

DR. D. T. SMITH AND STAFF

#### BIOCHEMISTRY

M241. General Biochemistry.—Prerequisites: general chemistry, organic  
chemistry, elementary, physical and analytical chemistry and at least one  
year of college biology. 6 s.h. DRs. PERLZWEIG AND TAYLOR, AND STAFF

M242. Biochemical Preparations.—Prerequisite: Biochemistry M241. 2 s.h.

DR. TAYLOR AND STAFF

M243-244. Physical Chemical and Colloid Chemical Principles of Bio-  
chemistry. DR. NEURATH

M341. Pathological Chemistry.—Prerequisites: Biochemistry M241 and  
Physiology M251-2. DRs. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

#### PHYSIOLOGY AND PHARMACOLOGY

M261-2. Human Physiology and Pharmacology.—Prerequisites: Anatomy  
M201 and Biochemistry M241 (or equivalents) and at least one year of col-  
lege physics. Credits depending on work taken. (Maximum 8 s.h.).

DR. EADIE AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—Prerequisite:  
Biochemistry M241. 2 s.h. DRs. W. J. DANN, EADIE, AND F. M. BERNHEIM

M363-4. Advanced Seminar in Nutrition.—Prerequisites: Biochemistry  
M241 and Physiology M251 or equivalents. 4 s.h. DR. DANN



THE SCHOOL OF RELIGION

1939-1940

ANNOUNCEMENTS FOR 1940-1941



## CALENDAR

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### 1940

- Sept. 20. Friday, 4:00 P.M.—First regular Faculty meeting.  
Sept. 21. Saturday—Matriculation and registration of students.  
Sept. 23. Monday, 8:00 A.M.—Instruction begins.  
Sept. 26. Thursday—Formal opening exercises.  
Oct. 5. Saturday—Last day for submitting subjects for B.D. theses.  
Oct. 10. Thursday—Fall retreat.  
Nov. 28. Thursday—Thanksgiving Day: a holiday.  
Dec. 11. Wednesday—Duke University Day.  
Dec. 20. Friday, 1:00 P.M.—Christmas recess begins.

### 1941

- Jan. 3. Friday, 8:00 A.M.—Instruction is resumed.  
Jan. 17. Friday—Mid-year examinations begin.  
Jan. 31. Friday—Matriculation and registration for second semester.  
Feb. 1. Saturday—Second semester begins.  
March 22. Saturday, 1:00 P.M.—Spring vacation begins.  
March 31. Monday, 8:00 A.M.—Instruction is resumed.  
May 15. Thursday—Last day for submitting B.D. theses.  
May 16. Friday—Final examinations begin.  
May 31. Saturday—Commencement opens; Senior Class Day; Meeting of Board of Trustees.  
June 1. Sunday—President's Address to Graduating Class; Commencement Sermon.  
June 2. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

## GENERAL ADMINISTRATION

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FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.

*President of the University*

FLOWERS, ROBERT LEE, A.M., LL.D.

*Vice-President in the Business Division, Secretary, and  
Treasurer of the University*

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.

*Vice-President in the Educational Division of the University*

BROWN, FRANK CLYDE, A.B., A.M., Ph.D.

*Comptroller of the University*

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## COMMITTEE OF THE BOARD OF TRUSTEES ON THE SCHOOL OF RELIGION

W. W. PEELE, T. M. GRANT, J. B. HURLEY, T. F. MARR

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## EDUCATIONAL ADMINISTRATION

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.

*Dean of the School of Religion*

GARBER, PAUL NEFF, A.B., A.M., Ph.D.

*Registrar of the School of Religion*

## SCHOOL OF RELIGION IN DUKE UNIVERSITY

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Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctive Christian auspices. There has been no departure from this clearly defined aim. On the contrary, there has been ever increasing emphasis placed upon this feature of the work of the College, especially in the provision in the curriculum for a great variety of courses on the Bible and other religious subjects.

In the Indenture of Trust by which Duke University was created, Mr. James B. Duke, the founder, put first the training of preachers; and the University made it a special point to set up a Divinity School as the first new unit to be organized in the expanding institution. The work of the School began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

The School has made rapid progress. It is a member of the American Association of Theological Schools and was included in the list of accredited theological schools approved by the Association in June, 1938.

The Duke University School of Religion retains the same close relationship which Trinity College always held to the Methodist Church, but members of all Christian denominations, equally with Methodists, are made to feel welcome in the School. The basis on which the work is conducted is not narrowly denominational but broadly catholic.

### THE PURPOSE OF THE SCHOOL OF RELIGION

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The School of Religion of Duke University purposes to offer training for all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who is placed before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently, the School of Religion is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

### RELATION OF THE SCHOOL OF RELIGION TO DUKE UNIVERSITY

As one of the co-ordinate schools of Duke University, the School of Religion is in closest touch with the other schools, particularly with Trin-

ity College and with the Graduate School of Arts and Sciences. Various privileges of Duke University are open to students of the School of Religion. Students in the School are expected to take part in the religious and social life of the University campus and to share in athletic interest and activities.

#### REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign countries as well as to students from institutions in the United States. They must satisfy the Faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official, or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men. Graduates from nonaccredited institutions may be admitted on probation.

#### PART-TIME SCHEDULES

Students who are not giving full time to their studies in the School of Religion may carry only limited schedules of class work.

#### REQUIREMENTS FOR GRADUATION

The requirements for the degree of Bachelor of Divinity are ninety semester hours, six semester hours of which shall be covered by the writing of an adequate thesis, either in a thesis seminar or under supervised thesis guidance. The course is planned to cover three years, of two semesters each. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the School of Religion, and has satisfactorily completed a minimum of twenty-four semester hours of work.

#### THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field, and must be filed with the Dean of the School of Religion on or before October 5 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes shall be permitted, except changes for the purpose of clarification or limitation of the subject. A student who does not complete his thesis within a period of three years from the date of the ap-

proval of his subject must secure a reapproval of the old subject or the approval of a new subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except on the approval of the Committee on Theses upon the recommendation of the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be between one hundred and one hundred and twenty pages in length, inclusive of introduction, conclusion, appendices, and bibliography, except in unusual cases clearly recognized as such by the Committee on Theses in approving thesis subjects. The student, the director, and the Committee on Theses shall be responsible for the selection and approval of such subjects as can be treated satisfactorily within these limits.

The thesis shall be read by a committee of three members of the Faculty of the School of Religion, one of whom shall be the professor under whose direction the thesis has been written, and two other members appointed by the Dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the Committee of Examination, including the representative of the department in which the thesis was written.

A complete, typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by May 1, and three permanently bound typewritten copies shall be presented for examination not later than May 15 of the year in which it is expected the degree will be conferred. Theses submitted after May 15 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination, such retyping and rebinding of the thesis as the Committee of Examination may desire shall be required.

#### PRESEMINARY CURRICULUM

The School of Religion in substantial agreement with the standards of the American Association of Theological Schools recommends that prospective candidates for admission keep in mind the desirability of including the following in their undergraduate curriculum:

Two years' work in English literature and composition.

Two years in a foreign language.

One semester each in psychology, philosophy, and sociology (or economics).

One year in history.

An introduction to the natural sciences with adequate laboratory work (biology or one of the physical sciences).

Proficiency in public speaking.

# REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

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## GENERAL REQUIREMENTS

Ninety semester hours are required for graduation. Forty-five of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics	6 s.h.
History of Religion and Missions	6 s.h.
Religious Education	3 s.h.
Practical Theology	3 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.
	45 s.h.

## MAJORS AND THESES

Each student must select a major field in which he elects to write his thesis and in which he must take fifteen semester hours including the general requirement in that field. This choice must be made by the end of the Middle year. A student may take his major in any of the departments of the School of Religion. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the Departments of Old Testament and New Testament six semester hours in the Department of Old Testament and six semester hours in the Department of New Testament, exclusive of language.

## DISTRIBUTION OF COURSES BY YEARS

### JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester hours shall be chosen from the remaining required courses in the Departments of Practical Theology, Religious Education, History of Religion and Missions, but not more than six semester hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.

30 s.h.

### MIDDLE YEAR

Christian Doctrine	6 s.h.
Homiletics	6 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.

After completing all other required courses, the remainder of the work of this year is elective, but not more than twelve semester hours shall be taken in one department.

15 s.h.

30 s.h.



## SENIOR YEAR

In the Senior year the student must fulfill all general requirements not completed in the Junior and Middle years. The remainder of the work is elective.

30 s.h.

## TABLE OF REQUIRED COURSES

## OLD TESTAMENT

203-204. Introduction to the Old Testament 6 s.h.

## NEW TESTAMENT

213-214. The Beginnings of Christianity 6 s.h.

## CHRISTIAN DOCTRINE

321. Introduction to Theology, *and* 3 s.h.

322. Introduction to the History of Christian Thought 3 s.h.

## CHURCH HISTORY

233. Church History to the Reformation 3 s.h.

234. The History of the Evangelical Movement 3 s.h.

## HOMILETICS

SR341-342. Theory and Practice of Preaching 6 s.h.

## PRACTICAL THEOLOGY

351. Church Administration 3 s.h.

## RELIGIOUS EDUCATION

262. The Educational Work of the Church 3 s.h.

## PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics 3 s.h.

## HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World 3 s.h.

SR282. Missionary Promotion 3 s.h.

## COURSES OF INSTRUCTION\*

### OLD TESTAMENT

- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- 203-204. Introduction to the Old Testament.—6 s.h.  
PROFESSOR RUSSELL AND ASSOCIATE PROFESSOR STINESPRING
301. Old Testament Theology.—Prerequisite: Old Testament 203-204.  
T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL
302. The Exegesis of Selected Books of the Old Testament.—Prerequisite:  
Old Testament 203-204. 3 s.h. ASSOCIATE PROFESSOR STINESPRING  
[Not offered in 1940-41]
304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING  
[Not offered in 1940-41]
- 305-306. Elementary Arabic.—6 s.h. ASSOCIATE PROFESSOR STINESPRING  
[Not offered in 1940-41]
- 307-308. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
309. History of the Ancient Near East.—3 s.h.  
ASSOCIATE PROFESSOR STINESPRING
310. Old Testament Prophecy.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
- 401-402. Thesis Seminar. DEPARTMENTAL STAFF

### NEW TESTAMENT

- SR211-212. Hellenistic Greek.—6 s.h. ASSISTANT PROFESSOR CLARK
- 213-214. The Beginnings of Christianity.—6 s.h.  
PROFESSOR BRANSCOMB AND ASSISTANT PROFESSOR CLARK
217. The New Testament in Greek.—Prerequisite: six semester hours'  
study of the Greek language. 3 s.h. PROFESSOR BRANSCOMB
218. Galatians and I Corinthians.—Prerequisite: New Testament 217 or  
its equivalent. 3 s.h. ASSISTANT PROFESSOR CLARK  
[Not offered in 1940-41]
219. Life of Paul.—3 s.h. PROFESSOR MYERS  
[Not offered in 1940-41]
220. I Peter and the Gospel of John.—Prerequisite: New Testament 217  
or its equivalent. 3 s.h. ASSISTANT PROFESSOR CLARK
311. The Life and Teachings of Jesus.—Prerequisite: New Testament  
213-214. 3 s.h. PROFESSOR BRANSCOMB
312. New Testament Theology.—Prerequisite: New Testament 213-214.  
3 s.h. PROFESSOR RUSSELL

\* On recommendation of the professor in charge of the major field, courses offered in the Graduate School of Arts and Sciences, other than those approved for credit in the School of Religion, may be approved for credit in individual cases, provided no equivalent course is offered in the School of Religion; each case to be decided on its merits.

314. **Exegesis of Selected Books of the New Testament.**—Prerequisite: New Testament 213-214. 3 s.h. ASSISTANT PROFESSOR CLARK
315. **Hellenistic Religions at the Beginning of the Christian Era.**—Prerequisite: New Testament 213-214. 3 s.h. ASSISTANT PROFESSOR CLARK
316. **Judaism at the Beginning of the Christian Era.**—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR BRANSCOMB
318. **Text of New Testament.**—Prerequisite: New Testament 213-214 and a reading knowledge of Greek. 3 s.h. ASSISTANT PROFESSOR CLARK
- 411-412. **Thesis Seminar.** DEPARTMENTAL STAFF

### CHRISTIAN DOCTRINE

221. **Platonism and Christianity.**—Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). 3 s.h. ASSISTANT PROFESSOR OUTLER
222. **Theology and Philosophy in the Nineteenth Century.**—Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). 3 s.h. ASSISTANT PROFESSOR OUTLER
321. **Introduction to Theology.**—3 s.h. PROFESSOR ROWE
322. **Introduction to the History of Christian Thought.**—3 s.h. ASSISTANT PROFESSOR OUTLER
323. **The Christian Conception of the Church.**—Prerequisite: Christian Doctrine 321. 3 s.h. ASSISTANT PROFESSOR OUTLER
324. **The Content of Christian Doctrine.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
325. **Soteriology.**—Prerequisite Christian Doctrine 321. 3 s.h. PROFESSOR ROWE  
[Not offered in 1940-41]
326. **Eschatology.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE  
[Not offered in 1940-41]
327. **Arminian Theology.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
328. **Current Theology.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
329. **Seminar in Historical Theology.**—2 s.h. ASSISTANT PROFESSOR OUTLER
- 421-422. **Thesis Seminar.** DEPARTMENTAL STAFF

### CHURCH HISTORY

233. **Church History to the Reformation.**—3 s.h. ASSISTANT PROFESSOR PETRY
234. **History of the Evangelical Movement.**—3 s.h. PROFESSOR GARBER
331. **The Social Message of the Early and Medieval Church.**—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
332. **The Medieval Church.**—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY

333. **The Church in Europe since 1800.**—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER  
 [Not offered in 1940-41]
334. **A History of Christian Renunciation in the Middle Ages.**—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY  
 [Not offered in 1940-41]
- 335-336. **The Church in America.**—Prerequisite: Church History 233-234. 6 s.h. PROFESSOR GARBER
337. **Religion in the Southern States since the Civil War.**—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER  
 [Not offered in 1940-41]
338. **Methodism.**—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER
431. **Modern Religious Leaders.**—Prerequisite: Church History 223-224. 3 s.h. PROFESSOR GARBER
432. **Religious Leaders of the Early and Medieval Church.**—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
- 437-438. **Thesis Seminar.** DEPARTMENTAL STAFF

## HOMILETICS

- SR341-342. **Theory and Practice of Preaching.**—6 s.h. PROFESSORS HICKMAN, MYERS, AND ROWE
346. **Doctrinal Preaching.**—3 s.h. PROFESSOR HICKMAN  
 [Not offered in 1940-41]
347. **History of Preaching.**—3 s.h. PROFESSOR MYERS  
 [Not offered in 1940-41]
348. **Materials of Preaching.**—3 s.h. PROFESSOR MYERS  
 [Not offered in 1940-41]
343. **Pastoral Psychology.**—3 s.h. PROFESSOR HICKMAN  
 [Not offered in 1940-41]
344. **Psychology of Preaching.**—3 s.h. PROFESSOR HICKMAN  
 [Not offered in 1940-41]

## PRACTICAL THEOLOGY

351. **Church Administration.**—3 s.h. PROFESSOR ORMOND
352. **The Rural Church and the Community.**—3 s.h. PROFESSOR ORMOND  
 [Not offered in 1940-41]
354. **Public Worship and Ordinances of the Church.**—3 s.h. PROFESSOR ORMOND
- SR358a. **Church Music.**—2 s.h. MR. BARNES
- SR358b. **Church Architecture.**—1 s.h. MR. HAINES
- SR453-454. **Practicum on Rural Church Work.** PROFESSOR ORMOND  
 [Required of all students holding appointments on the Duke Endowment. No academic credit.]

- \*220. Rural Sociology.—3 s.h. ASSISTANT PROFESSOR THOMPSON  
 373. Pastoral Psychology.—3 s.h. PROFESSOR HICKMAN  
 [Not offered in 1940-41]  
 \*\*459. Introduction to Psychiatry.—1 s.h. ASSOCIATE PROFESSOR CRISPELL

## RELIGIOUS EDUCATION

262. The Educational Work of the Church.—3 s.h. PROFESSOR SPENCE  
 263. Curriculum of Religious Education.—3 s.h. PROFESSOR SPENCE  
 [Not offered in 1940-41]  
 264. Foundations of Religious Education.—3 s.h. PROFESSOR SMITH  
 SR265. Religious Drama.—3 s.h. PROFESSOR SPENCE  
 266. Educational Aspects of Worship.—3 s.h. PROFESSOR SMITH  
 267. Technic of Teaching Religion.—3 s.h. PROFESSOR SPENCE  
 SR268. Drama Construction and Production.—3 s.h. PROFESSOR SPENCE  
 366. Seminar in Philosophy of Religious Education.—Prerequisite: Religious Education 262 or its equivalent. 2 s.h. PROFESSOR SMITH  
 [Not offered in 1940-41]  
 293. The Christian Religion and Modern Thought.—3 s.h. PROFESSOR SMITH  
 461-462. Thesis Seminar. PROFESSOR SPENCE

## PSYCHOLOGY OF RELIGION

275. Psychology of Religion I.—3 s.h. PROFESSOR HICKMAN  
 276. Psychology of Religion II.—3 s.h. PROFESSOR HICKMAN  
 373. Pastoral Psychology.—3 s.h. PROFESSOR HICKMAN  
 [Not offered in 1940-41]  
 374. Psychology of Preaching.—3 s.h. PROFESSOR HICKMAN  
 [Not offered in 1940-41]  
 375-376. Seminar in Mysticism.—Prerequisite: Psychology of Religion 275 or its equivalent. 4 s.h. PROFESSOR HICKMAN  
 377-378. Seminar: Theories of Self.—4 s.h. PROFESSOR HICKMAN  
 471-472. Thesis Guidance. PROFESSOR HICKMAN

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- \*206. Social Psychology.—2 s.h. ASSOCIATE PROFESSOR ADAMS  
 \*219. History of Psychology.—2 s.h. PROFESSOR \_\_\_\_\_  
 \*223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM  
 \*228. Psychology of Belief.—2 s.h. PROFESSOR LUNDHOLM  
 [Not offered in 1940-41]

\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

\*\* Course offered in the School of Medicine which is credited toward the degree of Bachelor of Divinity.

## PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics.—3 s.h. PROFESSOR SMITH
293. The Christian Religion and Modern Thought.—3 s.h.  
ACTING PROFESSOR DUBS
294. The Christian Religion and Values.—3 s.h. ACTING PROFESSOR DUBS
295. Philosophical Foundations of Religious Belief I.—3 s.h.  
ACTING PROFESSOR DUBS
296. Philosophical Foundations of Religious Belief II.—3 s.h.  
ACTING PROFESSOR DUBS
- 393-394. Religious Thought in the Rise of American Culture.—6 s.h.  
PROFESSOR SMITH
397. Seminar in American Religious Thought.—2 s.h. PROFESSOR SMITH
398. Seminar in Christian Ethics.—2 s.h. PROFESSOR SMITH
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- \*203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- \*209. Philosophy of Religion I: Philosophical Introduction.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WIDGERY
- \*210. Philosophy of Religion II: Philosophical Introduction.—3 s.h.  
[Not offered in 1940-41] PROFESSOR WIDGERY
- \*226. The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN

## SOCIOLOGY

At least five semester hours of undergraduate sociology are prerequisite to all courses of the Department, except SR202 and 234. Sociology SR202 is designed especially for students whose undergraduate training in sociology has been inadequate. Such students who wish to pursue further work in the Department are advised to enroll in course SR202 as an elective as soon as possible after matriculation in the School of Religion.

- SR202. Sociology and Religion.—3 s.h. PROFESSOR JENSEN  
[Not offered in 1940-41]
231. General Anthropology.—3 s.h. PROFESSOR HART  
[Not offered in 1940-41]
232. Cultural Anthropology.—3 s.h. PROFESSOR HART  
[Not offered in 1940-41]
233. The World Crisis in the Light of Social Anthropology.—3 s.h.  
PROFESSOR HART
234. Social Ethics.—3 s.h. PROFESSOR HART
242. Marriage and the Family.—2 s.h. PROFESSOR HART  
[Not offered in 1940-41]
317. Seminar in Anthropology.—3 s.h. PROFESSOR HART

\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.



318. Religion and the World Crisis.—3 s.h.	PROFESSOR HART
421-422. Thesis Seminar.	PROFESSOR HART
*205. Social Pathology.—3 s.h. [Offered in second semester, 1940-41]	PROFESSOR JENSEN
*206. Criminology.—3 s.h.	PROFESSOR JENSEN
*212. Child Welfare.—3 s.h. [Not offered in 1940-41]	PROFESSOR JENSEN
*219. Urban Sociology.—3 s.h.	ASSISTANT PROFESSOR THOMPSON
*220. Rural Sociology.—3 s.h.	ASSISTANT PROFESSOR THOMPSON
*319. Principles of Sociology.—3 s.h.	PROFESSOR ELLWOOD
*320. History of Social Philosophy.—3 s.h.	PROFESSOR JENSEN

### HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World.—3 s.h.	PROFESSOR CANNON
SR282. Missionary Promotion.—3 s.h.	PROFESSOR CANNON
284. Comparative Religion.—Prerequisite: 281. 3 s.h. [Not offered in 1940-41]	PROFESSOR CANNON
285. The Religions of the Far East.—3 s.h. [Offered in second semester, 1940-41]	ACTING PROFESSOR DUBS
286. The Religions of India.—3 s.h. [Not offered in 1940-41]	PROFESSOR CANNON
287. Mohammedanism.—Prerequisite: 281. 3 s.h.	PROFESSOR CANNON
289. Buddhism.—Prerequisite: 281. 3 s.h. [Not offered in 1940-41]	PROFESSOR CANNON
481-482. Thesis Seminar.	PROFESSOR CANNON

### COURSES ON THE MIDDLE AND FAR EAST

In addition to the courses offered in the Department of History of Religion and Missions of the School of Religion, attention is directed to the following courses in various departments of Duke University dealing with Middle and Far Eastern civilizations.

History of the United States' Foreign Policy.—6 s.h.	ASSOCIATE PROFESSOR CLYDE
Eastern Asia and the Pacific.—6 s.h.	ASSOCIATE PROFESSOR CLYDE
Political Institutions of the Far East.—3 s.h.	ASSOCIATE PROFESSOR LINEBARGER
International Politics of the Far East.—3 s.h.	ASSOCIATE PROFESSOR LINEBARGER
Chinese Philosophy.—3 s.h.	ACTING PROFESSOR DUBS
Indian Philosophy.—3 s.h.	PROFESSOR WIDGERY

\* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

## GENERAL INFORMATION

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### FEEES

Tuition is remitted to students matriculated in the School of Religion, for which they are expected to render from time to time service which shall not interfere with their work in the School of Religion.

Each student is assessed per semester as follows:

Matriculation Fee .....	\$25.00
Library Fee .....	5.00
Athletic Fee .....	5.00
Publication Fee (optional) .....	2.50
Hospital Fee .....	5.00
Damage Fee .....	1.00

Each student is assessed, in the last semester before a degree is conferred, a Commencement Fee of \$3.00 and a Diploma Fee of \$5.00. The latter fee is refunded if the diploma is not awarded.

### LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the Treasurer of the University a penalty of \$5.00.

### ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University Store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is cancelled, and the University is free to rent the room to other students, unless a deposit of \$25 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Registrar of the School of Religion.

### BOARDING HALLS

The University dining hall in the University Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. Board may be secured at the Union for an amount not to exceed \$25 per month. The Union

is the logical center of student activities, and all male students are advised to board in its supervised halls.

### STUDENT AID

Scholarships are available for students, the terms of which may be ascertained by correspondence with the Registrar of the School of Religion. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

### N. EDWARD EDGERTON SCHOLARSHIP FUND

In 1939 Mr. N. Edward Edgerton, of Raleigh, North Carolina, an alumnus of Duke University of 1921 and president of the Duke University Alumni Association, established the N. Edward Edgerton Scholarship Fund in the School of Religion. The purpose of the Edgerton Fund as specified by the donor is a "scholarship or scholarships to be awarded only to students who are candidates for the B.D. degree in the School of Religion."

### THE LIBRARY

The School of Religion has its own library, conveniently housed in the School of Religion Building. The Library, which contains materials dealing with the subject of religion, already numbers nearly thirty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The Library is being rapidly expanded. One of the outstanding possessions of the Library is a magnificent Greek manuscript of the thirteenth or fourteenth centuries containing the entire text of the New Testament.

Besides this special library, students of the School of Religion have the use of the General Library of the University, the Library of the School of Law, and the Library of the School of Medicine. All these libraries are located near the School of Religion Building.

### MASTER OF ARTS AND DOCTOR OF PHILOSOPHY DEGREES IN RELIGION

The Bachelor of Divinity degree is the only degree conferred by the School of Religion. There is, however, a very close relationship between the School of Religion and the Graduate School of Arts and Sciences, which confers the degrees of Master of Arts and Doctor of Philosophy. Students desiring additional graduate study beyond the degree of Bachelor of Divinity should correspond with the Dean of the Graduate School of Arts and Sciences.

### **FACILITIES FOR ADVANCED STUDY IN THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH**

The School of Religion of Duke University is one of the supporting members of the American Schools of Oriental Research. This grants to students in the School of Religion the privilege of attending the American School in Jerusalem or the one in Bagdad without charge for tuition. They are also able to compete for the financial aids that are offered annually by the Schools. These consist of four fellowships, the stipends depending upon available funds.

### **RELIGIOUS LIFE**

The students of the School of Religion are expected to attend the regular University Chapel services which are held on Tuesday, Wednesday, and Friday of each week. Special chapel services for the School of Religion are held each Monday and Thursday.

In this, as in other features of the University life, the students of the School of Religion are urged to identify themselves with the life of the whole student group.

### **DATE OF REGISTRATION**

Classwork in the School of Religion for the academic session of 1940-41 will begin on Monday, September 23, 1940. The registration of students in the School of Religion will be held on Saturday, September 21, 1940.



THE SCHOOL OF LAW

1939-1940

ANNOUNCEMENTS FOR 1940-1941

MEMBER OF THE ASSOCIATION OF AMERICAN LAW SCHOOLS

APPROVED BY THE AMERICAN BAR ASSOCIATION



## CALENDAR

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1940

- Sept. 18. Wednesday—Registration of Law Students.  
Sept. 19. Thursday—Commencement of Instruction.  
Nov. 28. Thursday—Thanksgiving Day: a holiday.  
Dec. 11. Wednesday—Duke University Day.  
Dec. 20. Friday—1:00 P.M. Christmas recess begins.

1941

- Jan. 3. Friday—8:10 A.M. Instruction is resumed.  
Jan. 17. Friday—Mid-year examinations begin.  
Jan. 31. Friday—Last day for matriculation for second semester.  
Feb. 1. Saturday—Second semester begins.  
March 22. Saturday—1:00 P.M. Spring vacation begins.  
March 31. Monday—8:10 A.M. Instruction is resumed.  
May 16. Friday—Final examinations begin.  
May 31. Saturday—Commencement opens; Faculty Breakfast for Law Seniors.  
June 1. Sunday—President's Address to Graduating Class.  
June 2. Monday—Commencement Address; Graduating Exercises.

## OFFICERS OF ADMINISTRATION

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WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.

*President*

ROBERT LEE FLOWERS, A.M., LL.D.

*Vice-President in the Business Division, Secretary and Treasurer*

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.

*Vice-President in the Educational Division and Dean of the University*

FRANK CLYDE BROWN, A.B., A.M., Ph.D.

*Comptroller*

H. CLAUDE HORACK, Ph.B., LL.B.

*Dean of the School of Law*

HELEN MILDRED KENDALL, A.B.

*Registrar of the School of Law*

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## FACULTY COMMITTEES

*Committee on Curriculum:* H. C. Horack, Chairman, John S. Bradway, Elvin R. Latty, Douglas B. Maggs, Malcolm McDermott, Harold Shepherd.

*Committee on Graduate Study:* David F. Cavers, Chairman, Bryan Bolich, H. C. Horack, Charles L. B. Lowndes.

*Committee on Rules:* Charles L. B. Lowndes, Chairman, David F. Cavers, J. Douglass Poteat, Paul H. Sanders.

*Committee on Scholarship:* Malcolm McDermott, Chairman, Paul H. Sanders, J. Douglass Poteat.

*Committee on Emergency Aids and Loans to Law Students:* John S. Bradway, Chairman, T. D. Bryson, Mary S. Covington, Elvin R. Latty.

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## LAW SCHOOL COMMITTEE OF THE BOARD OF TRUSTEES

Willis Smith, Raleigh, North Carolina.

James A. Bell, Charlotte, North Carolina.

J. P. Frizzelle, Snow Hill, North Carolina.

B. S. Womble, Winston-Salem, North Carolina.

## ORGANIZATION, EQUIPMENT, AND SPECIAL ACTIVITIES

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### HISTORY AND ORGANIZATION

Legal instruction in Trinity College dates from 1850, but it was not until 1868 that professional training in law was offered. The two chairs in the Department of Law were those of National and Constitutional Law, and Common and Statute Law. President Braxton Craven occupied the former from 1868 until his death in 1882. Outstanding members of the bench and bar were specially engaged, in given years, to lecture on particular subjects. Complete instruction was given "by daily lectures and regular examinations," and students were "fully prepared to obtain license."

In 1882 the Department of Law was discontinued. In 1891 instruction in law was resumed, with the appointment of the Honorable A. C. Avery, Associate Justice of the Supreme Court of North Carolina, as dean of the Law School, and continued until 1894.

The School of Law of Trinity College was founded in the summer of 1904 upon an endowment established by James B. Duke and Benjamin N. Duke. Samuel Fox Mordecai organized the School and was its dean until his death in 1927. Its establishment set a new standard in Southern legal education in that it was the first school to require college work as preliminary to law study. It required the completion of two years of college work as prerequisite to entrance, the case method was used as the basis of instruction, and the completion of three years of resident study was required for a law degree.

In 1924 the School of Law of Trinity College became the Duke University School of Law pursuant to the establishment of the Duke Endowment. In 1930 the School was moved into its new building, the Faculty and Library were greatly increased, and the activities of the School broadened. In 1931 the entrance requirement was raised from two to the present requirement of three years of college work. The School of Law is a member of the Association of American Law Schools and is on the "Approved List" of the American Bar Association.

### PURPOSES AND METHODS OF INSTRUCTION

The School of Law offers such courses in its curriculum as will provide an adequate preparation for the practice of law in any state. Through facilities for study and research, training is afforded for those desiring to specialize in particular branches of the law.

To provide scope for creative work by the student, seminar courses and the courses in Current Decisions are offered. To achieve balance between intellectual discipline and that practical training which the young lawyer is otherwise left to obtain at the expense of his clients, instruction

is offered in research and briefing and Practice Court, and the third-year class participates in the work of the Legal Aid Clinic.

### THE LAW SCHOOL BUILDING

The Law Building, like all other structures on the main campus of Duke University, is in Tudor Gothic style of colorful Cambrian stone from the Duke University quarries. It was occupied by the School of Law for the first time in September, 1930. In it are classrooms, seminar rooms, offices for Faculty and Staff, quarters for the Legal Aid Clinic and for the Duke Bar Association, a courtroom equipped for trial court and appellate court sessions, and the Law Library.

### THE LAW LIBRARY

The Law Library contains a collection of more than sixty thousand volumes, which is the largest law school collection in the South. It consists of American and English statutory and case law; a collection of Continental Law materials; treatises, digests, encyclopedias; the various selected case series; a comprehensive collection of legal periodicals; and publications in the fields of history, economics, government, and the other social sciences, supplemental to the strictly legal materials. The Library receives every current legal periodical of general interest printed in the English language.

### THE LEGAL AID CLINIC

A Legal Aid Clinic was organized at the School of Law in 1931 under the direction of Professor John S. Bradway, Secretary of the National Association of Legal Aid Organizations, who had directed similar undertakings in Philadelphia and Los Angeles. The purpose of the Clinic is threefold: to give the student experience in handling actual cases; to develop creative skills, techniques, and mental habits; to encourage a sense of responsibility to client, court, profession, and community.

### THE PRACTICE COURSE

The practice course in the School of Law is under the direction of Judge T. D. Bryson, for eight years judge of the Superior Court of the Twentieth Judicial District of North Carolina. The object of the course is to offer third-year students an opportunity to visualize by actual experience the application of the principles of law imparted in other courses.

### LEGAL PERIODICALS

The School of Law publishes a quarterly, *Law and Contemporary Problems*, under the editorship of Professor Cavers. This periodical, now in its seventh volume, presents in each issue a symposium on a problem of current legal importance, in which the interrelated social and economic, as well as legal, factors are discussed by writers of competence in these respective fields. Where student research may contribute to the understanding of the legal aspects of such problems, student writings are ac-

cepted for publication. Included among the topics discussed in the first six volumes of *Law and Contemporary Problems* are food and drug control, low cost housing, federal criminal laws, industrial and group life insurance, instalment selling, migratory divorce, alimony, expert testimony, social security legislation, the compensation of the motor accident victim, the Securities Act of 1933, price discrimination and price cutting, collective bargaining under the Wagner Act, and the wage and hour law.

The circulation of *Law and Contemporary Problems* extends not only to members of the legal profession and law libraries throughout the country, but also to industrial and financial concerns, governmental agencies, and public and general university libraries. Individual issues are not infrequently used as materials for study in university courses.

The Duke Bar Association has published since 1933 the *Duke Bar Association Journal* in which appear reports of addresses made before the Association by distinguished guests, proceedings of the Association at its regular meetings, and items of interest concerning the School. To afford a medium for the publication of the student notes and comments on recent important decisions prepared in the Current Decisions course without necessitating the inclusion in the quarterly of the department of student work usual in "law reviews," the *Journal* publishes such notes and comments as are deemed by the editors to be of special merit. Professor Cavers serves as adviser to the student editorial board of the *Journal*.

#### THE DUKE BAR ASSOCIATION

The Duke Bar Association was established in the spring of 1931. It is composed of all the students of the Law School and is organized along the lines of the American Bar Association. Its purpose is to introduce the student to the problems considered by the bar in professional organizations and to develop professional consciousness and responsibility. It publishes the *Duke Bar Association Journal*, described in the preceding section. Its activities are carried on by the students with the co-operation of Dean Horack of the Law Faculty as general adviser.

## GENERAL INFORMATION

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### MATRICULATION, REGISTRATION, AND ENROLLMENT

On the day of registration, September 18, 1940, the applicant must obtain from the Dean of the Law School an admission card, indicating that he is entitled to register. Registration is conducted in the Law Building. All students, both old and new, are required to register at the beginning of each semester, at which time class schedule and course cards must be filled out and approved. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of \$5.00 for late registration. Instruction will begin in all classes on Thursday, September 19, 1940.

### FEES AND EXPENSES

Tuition and registration fees are due at the beginning of each semester. The matriculation fee is \$25.00 a semester. The tuition fee is \$100.00 a semester. A damage fee of \$1.00 is collected at the beginning of the first semester only, an athletic fee of \$5.00 at the beginning of each semester, a library fee of \$5.00 each semester, and a medical fee of \$5.00 each semester. The graduation fee, payable by all students to whom a degree is awarded, is \$10.00.

### SCHOLARSHIPS AND STUDENT AIDS

A limited number of scholarships covering tuition and matriculation fees (\$250) are available to first-year students, graduates of approved American universities and colleges, who are in need of such assistance. Applicants must have made excellent records in their college work and must show unusual promise of success in the study of law.

Applications for scholarships should be presented before May 1 to the Dean of the Law School, together with a transcript of college work and letters of recommendation from responsible persons, certifying to the character and fitness of the applicant.

### AWARDS

*Willis Smith Prize.* Mr. Willis Smith, a member of the Raleigh bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of law school work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose. The winner of the prize for 1932 was Jeter S. Ray, Newport, Tenn.; for 1933, William B. McGuire, Jr., Franklin, N. C.; for 1934, Robert Gilpin Seaks, Harrisburg, Pa.; for 1935, Erle Pettus, Jr., Birmingham, Ala.; for 1936, Edward Rubin, Los Angeles, Calif.; for 1937, William R. Per-



due, Jr., Macon, Ga.; for 1938, Thomas E. Butterfield, Jr., Bethlehem, Pa.; and for 1939, Gustav B. Margraf, Cape Girardeau, Mo.

#### ORDER OF THE COIF

A chapter of the Order of the Coif, national legal scholarship society, has been established at Duke University School of Law. Its purpose is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Election is restricted to the ten per cent of the Senior Class who have attained the highest rank in their law school work. Those receiving this honor in the graduating class of 1939 were: Robert W. Bogue, Parker, S. D.; Fleming B. Bomar, Spartanburg, S. C.; and Gustav B. Margraf, Cape Girardeau, Mo.

## ADMISSION OF STUDENTS

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### REQUIREMENTS FOR ADMISSION

Any person may be admitted as a candidate for the degree of Bachelor of Laws (1) who is a graduate of a college of approved standing, or (2) who has completed in a college of approved standing work equivalent in number of units to three fourths of that required for graduation and whose college work in its entirety shows an average grade equal to that required for graduation, the requirement in each case being determined by the regulations of the college where the work was taken.

### COMBINED COURSE

A number of colleges, upon application by their students, have permitted those who have completed three years of undergraduate work, to enter the Law School of Duke University and upon the satisfactory completion of the first year of law school work to receive their Bachelor of Arts degrees from such colleges. It is suggested that students desiring to enter Duke University School of Law make inquiry of their proper college authorities regarding this point.

A student in either of the Liberal Arts Colleges of Duke University may complete in six years a combined course wherein he will have received his academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the Faculty of the arts colleges:

Students who have completed with not less than a "C" average at least ninety-six semester hours of undergraduate work in the pre-legal group of studies in Duke University may on the approval of the Dean of the Undergraduate College transfer to this Law School and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester hours of work of the first-year class in this School.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit toward the Bachelor's degree.

It should be noted that while the Combined Course plan of securing two degrees is restricted to those who have taken the "pre-legal course," general admission to the Law School is not so restricted.

### ADMISSION TO ADVANCED STANDING

Any person, who has complied with the requirements for admission set forth in this announcement, prior to the commencement of his law study, who shall present evidence of the satisfactory completion of any part of the curriculum at any law school which is a member of the Association of American Law Schools, and who is eligible for readmission to the law school from which he proposes to transfer, may

be admitted to advanced standing, subject to such rules as would be applicable to students in this School having a comparable scholastic record. Provisional credit for courses so completed shall be given, final credit for such work to be conditioned on the completion of at least one full year of law study in this School with an average of at least five points above the passing grade. Adjustment of credit for work done in such other law schools may be by vote of the Faculty.

#### **CANDIDATES FOR GRADUATE DEGREES**

Applications for admission to graduate study should be addressed to the Dean of the Law School and should include transcripts of records of legal and pre-legal work.

## REQUIREMENTS FOR BACHELOR OF LAWS DEGREE—STUDENT PROGRAMS

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### BACHELOR OF LAWS DEGREE

Upon favorable recommendation of the Faculty, the degree of Bachelor of Laws will be conferred on students who shall have successfully completed three years' study of law, the last full year of work immediately preceding the granting of such degree having been completed, except under extraordinary circumstances, in this School.

A student shall be deemed to have completed successfully three years' study of law if during this period he has

(1) secured a passing grade in courses aggregating the number of semester hours in the first-year program of study plus forty-eight semester hours;

(2) secured in every required course a grade not requiring repetition thereof; and

(3) secured an average grade at least five points above passing in all work taken other than first-year courses, or, if such grade is lower than that above specified, an average grade of five points above passing in all work taken.

Students who shall have spent only their third year of study in residence in this School must have received an average grade at least five points above passing for that year.

### THE FIRST-YEAR PROGRAM

All of the first-year courses are required for graduation, and no second- or third-year courses may be elected until the student has secured grades not requiring repetition of any first-year courses or has made provision for the completion thereof.

The following courses comprise the work of the first year:

<i>Subject</i>	<i>Hours per semester</i>	
Chattel Transactions .....	2	2
Contracts .....	4	3
Criminal Law and Its Administration .....	2	2
Torts .....	2	3
Introduction to Procedure .....	2	
Legal Bibliography .....	1	
Agency .....		2
Possessory Estates .....		2
	13	14

## SECOND- AND THIRD-YEAR PROGRAMS

The course in Legal Aid Clinic is required of those third-year students who have not been selected to take the course in Current Decisions II. The course in Legal Ethics is required of all third-year students. For descriptions of the content of these courses, see pages 31 and 32.

With the exceptions noted above, all courses offered for the second and third years are elective. For the guidance of second-year students in 1940-41, the Faculty recommends the inclusion of the following courses in their programs of study:

<i>Subject</i>	<i>Hours per semester</i>	
Constitutional Law .....	2	3
Credit Transactions .....	2	2
Equity .....	2	2
Conveyancing .....	3	
Negotiable Instruments and Banking .....	3	
Pleading (Prerequisite to Practice) .....	3	
Business Associations I .....		3
Contracts II .....		2
Trusts .....		3
	15	15

For the student who wishes to take, in his second year, courses other than those listed above, the following are suggested as suitable for study in the second year:

<i>Subject</i>	<i>Hours per semester</i>	
Family Law .....	2	
Landlord and Tenant .....	2	
Municipal Corporations .....	2	
Future Interests .....		3
Wills and Administration of Estates .....		3

It should be distinctly understood that the courses in this second list are not suggested as either more or less suitable for study in the third year than those not included therein. In the selection of courses in addition to or in substitution for those recommended above, the student should consult the course groupings appearing at another place in this bulletin, so that he may choose those courses which will contribute most directly to his work in the field of study to which he wishes to devote his major efforts in the third year. The student intending to enter the general practice of law is cautioned, however, not to sacrifice, through undue concentration, the acquisition of a broad foundation for his subsequent activities.

The courses included in the above lists and all other courses offered are described at pages 26 to 32 of this bulletin. The courses offered which are not included in the above lists comprise:

<i>Subject</i>	<i>Hours per semester</i>	
Current Decisions I .....	1	1
Current Decisions II .....	1	1
Evidence .....	2	2
Legal Aid Clinic .....	3	2
Practice .....	2	2
Taxation .....	2	2
Administrative Law .....	2	
Business Associations II .....	3	
Conflict of Laws .....	3	
Debtors' Estates .....	3	
Insurance .....	2	
Legal Ethics .....	1	
Legal History .....	3	
Legislation .....	2	
Damages .....	2	
Family Law Seminar .....		2
Federal Jurisdiction and Procedure .....		2
Labor Law .....		2
Legislation Seminar .....		2
North Carolina Statutes .....		2
Regulation of Business .....		1
Regulation of Business Seminar .....		2
Seminar in Legal History .....		2
Seminar in Federal Tax Problems .....		2



# GRADUATE WORK IN LAW

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## GRADUATE DEGREES

The School of Law confers two graduate degrees, the degree of Master of Laws (LL.M.) and the degree of Doctor of Juridical Science (S.J.D.).

### REQUIREMENTS FOR ADMISSION TO GRADUATE STUDY

Any person who shall have received the first degree in law from a law school qualified for membership in the Association of American Law Schools and whose college course and law course combined shall have occupied at least six years, may be admitted as a candidate for the degree of Master of Laws. In exceptional cases an applicant who does not meet all the above requirements may be admitted, on vote of the Faculty, to candidacy for this degree where he is able to demonstrate that he is specially qualified, as by reason of practice or teaching.

Any person holding the degree of Master of Laws from this or any other law school which is qualified for membership in the Association of American Law Schools may be admitted by the Faculty to candidacy for the degree of Doctor of Juridical Science, provided he completed the work for the Master's degree with distinction.

### THE DEGREE OF MASTER OF LAWS

Upon favorable recommendation of the Faculty, the degree of Master of Laws will be conferred on students who have successfully completed during a period of residence at this School totaling at least one year a course of study approved by the Committee on Graduate Study.

The courses of study leading to this degree are designed to provide for the needs of two classes of students: (1) graduates of approved law schools who desire a fourth year of study for the purpose of undertaking an intensive study of some specialty, or who desire to broaden their legal education through the study of such subjects as jurisprudence and legal history; (2) graduates of approved law schools who desire to teach law or engage in legal research and who intend to become candidates for the degree of Doctor of Juridical Science.

One year of resident study is required for the degree of Master of Laws. No thesis is required. The course of study is prescribed by the Committee on Graduate Study after consultation with the individual student. Opportunity will be afforded the student to include in his program such second- and third-year law courses, not already completed, as are desirable for the rounding out or supplementing of his previous training. In some cases, courses in other departments of the University may be included. In the case of students whose interests lie in further preparation for practice, the course will normally include registration in subjects totaling twelve hours each semester. In the case of students interested

primarily in legal research, a lighter schedule, so far as enrollment in formal courses is concerned, may be arranged. In cases where less than twelve hours' work is prescribed for either semester, the Committee on Graduate Study may require that the student complete the work undertaken with a grade considerably higher than that required of candidates for the first degree in law.

#### **THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE**

Upon favorable recommendation of the Faculty, the degree of Doctor of Juridical Science will be conferred on students admitted to candidacy for that degree who complete and submit a monograph or series of essays suitable for publication and deemed by the Faculty to be of distinguished character. At least one academic year must elapse between the awarding of the Master's degree and the awarding of the degree of Doctor of Juridical Science. Students who have received the degree of Master of Laws from another law school must spend at least one year engaged in research at this School and may in addition be required to complete a course of study prescribed by the Committee on Graduate Study.

## COURSES OFFERED

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*This is a condensed description of courses. For a full description, see Bulletin of the School of Law.*

### 1. GENERAL COURSES

- Torts.** Two hours a week, first semester; three hours, second semester.  
PROFESSOR MAGGS
- Equity.** Two hours a week throughout the year. PROFESSOR HORACK
- Trusts.** Three hours a week, second semester. PROFESSOR LOWNDES
- Conflict of Laws.** Three hours a week, first semester. PROFESSOR CAVERS
- Damages.** Two hours a week, first semester. PROFESSOR SHEPHERD
- Family Law.** Two hours a week, first semester. PROFESSOR BRADWAY
- Family Law Seminar.** Two hours a week, second semester.  
PROFESSOR BRADWAY
- North Carolina Statutes.** Two hours a week, second semester.  
PROFESSOR BRYSON

### 2. BUSINESS COURSES

- Contracts.** Four hours a week, first semester; three hours, second semester.  
PROFESSOR SHEPHERD
- Contracts II.** Two hours a week, second semester. PROFESSOR SHEPHERD
- Agency.** Two hours a week, second semester. PROFESSOR LATTY
- Negotiable Instruments and Banking.** Three hours a week, first semester.  
PROFESSOR LOWNDES
- Business Associations I.** Three hours a week, second semester.  
PROFESSOR LATTY
- Business Associations II—Finance and Accounting.** Three hours a week.  
first semester. PROFESSOR LATTY
- Credit Transactions.** Two hours a week throughout the year.  
PROFESSOR POTEAT
- Debtors' Estates.** Three hours a week, first semester. PROFESSOR POTEAT
- Insurance.** Two hours a week, first semester.  
ASSISTANT PROFESSOR SANDERS
- Regulation of Business.** Survey course, one hour a week; seminar, two hours a week, second semester.  
PROFESSOR CAVERS

### 3. PROPERTY COURSES

- Chattel Transactions.** Two hours a week throughout the year.  
PROFESSOR LATTY

- Possessory Estates.** Two hours a week, second semester.  
PROFESSOR BOLICH
- Conveyancing.** Three hours a week, first semester. PROFESSOR BOLICH
- Landlord and Tenant.** Two hours a week, first semester.  
PROFESSOR BOLICH
- Future Interests.** Three hours a week, second semester.  
PROFESSOR BOLICH
- Wills and Administration of Estates.** Three hours a week, second semester.  
PROFESSOR McDERMOTT
- Trusts.** Three hours a week, second semester. PROFESSOR LOWNDES

#### 4. PUBLIC LAW COURSES

- Criminal Law and Its Administration.** Two hours a week throughout the year.  
ASSISTANT PROFESSOR SANDERS
- Constitutional Law.** Two hours a week, first semester; three hours, second semester.  
PROFESSOR MAGGS
- Administrative Law.** Constitutional Law is prerequisite. Two hours a week, first semester.  
PROFESSOR MAGGS
- Labor Law.** Two hours a week, second semester.  
ASSISTANT PROFESSOR SANDERS
- Legislation.** Two hours a week, first semester. PROFESSOR McDERMOTT
- Legislation Seminar.** Legislation is prerequisite. Two hours a week, second semester.  
PROFESSOR McDERMOTT
- Municipal Corporations.** Two hours a week, first semester.  
PROFESSOR McDERMOTT
- Regulation of Business.** One hour a week, second semester.  
PROFESSOR CAVERS
- Regulation of Business Seminar.** Two hours a week, second semester.  
PROFESSOR CAVERS
- Taxation.** Two hours a week throughout the year. PROFESSOR LOWNDES
- Seminar in Federal Tax Problems.** Two hours a week, second semester.  
PROFESSOR LOWNDES

#### 5. JURISPRUDENCE COURSES

- Readings in Jurisprudence.** Two credit hours. A one-hour discussion meeting will be held each week. First semester.  
[Not to be given, 1940-41.]
- Legal History.** Three credit hours. First semester. PROFESSOR BOLICH
- Seminar in Legal History.** Hours and credit to be arranged with the instructor upon approval of said Committee. Second semester.  
PROFESSOR BOLICH
- Roman Law: Comparative Law of Obligations.** Two hours a week, second semester.  
[Not to be given, 1940-41.]

**6. PROCEDURE AND PRACTICE COURSES**

**Introduction to Procedure.** Two hours a week, first semester.

PROFESSOR POTEAT

**Pleading.** Three hours a week, first semester.

PROFESSOR BRYSON

**Practice.** Two hours a week throughout the year.

PROFESSOR BRYSON

**Evidence.** Two hours a week throughout the year.

PROFESSOR McDERMOTT

**Federal Jurisdiction and Procedure.** Two hours a week, second semester.

PROFESSOR POTEAT

**Legal Ethics.** Required of all third-year students. One hour a week, first semester.

PROFESSOR BRADWAY

**Legal Aid Clinic.** Three hours a week, first semester; two hours a week, second semester (in two sections).

PROFESSOR BRADWAY

**Bar Association Activities.** Not for credit.

PROFESSOR HORACK

**LEGAL RESEARCH AND WRITING**

**Legal Bibliography.** One hour a week, first semester.

MR. ROALFE

**Current Decisions I.** One hour throughout the year.

PROFESSOR CAVERS AND STAFF

**Current Decisions II.** One hour throughout the year.

PROFESSOR CAVERS AND STAFF

**Student Editorial Work.** Credit for this work will be given in Current Decisions.

PROFESSOR CAVERS

THE SCHOOL OF MEDICINE

1939-1940

ANNOUNCEMENTS FOR 1940-1941



## CALENDAR

1939

- Sept. 28. Thursday—Registration of students, and Autumn Quarter begins.  
Nov. 30-Dec. 3. Thursday-Sunday—Thanksgiving Holidays.  
Dec. 16. Saturday—Autumn Quarter ends.

1940

- Jan. 2. Tuesday—Registration of students, and Winter Quarter begins.  
March 16. Saturday—Winter Quarter ends.  
March 25. Easter Monday: a holiday.  
March 26. Tuesday—Registration of students, and Spring Quarter begins.  
June 3. Monday—Commencement.  
June 8. Saturday—Spring Quarter ends.  
June 17. Monday—Registration of students, and Summer Quarter begins (Junior-Senior students).  
July 4. Thursday—Independence Day: a holiday.  
Aug. 31. Saturday—Summer Quarter ends.  
Sept. 26. Thursday—Registration of students, and Autumn Quarter begins.  
Nov. 28-Dec. 1. Thursday-Sunday—Thanksgiving Holidays.  
Dec. 14. Saturday—Autumn Quarter ends.

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The Treasurer's Office is on the third floor of the Administration Building on the West Campus, and is open daily, except Sunday, from 9 A.M. to 4:30 P.M.

The office of the Recorder and Dean of the School of Medicine is in Room M 133 of the Medical School, and is open daily, except Sunday, from 8:15 A.M. to 5 P.M.

For any further information, address THE DEAN, DUKE UNIVERSITY SCHOOL OF MEDICINE, DURHAM, N. C.

## OFFICERS OF ADMINISTRATION

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WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.  
*President of the University*

ROBERT LEE FLOWERS, AM., LL.D.  
*Vice-President, Secretary, and Treasurer*

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.  
*Vice-President*

FRANK CLYDE BROWN, A.B., A.M., Ph.D.  
*Comptroller*

CHARLES BLACKWELL MARKHAM, A.B., A.M.  
*Assistant Treasurer*

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WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., D.Sc., M.D.  
*Dean of the School of Medicine*

HELEN I. STOCKSDALE  
*Recorder of the School of Medicine*

## GENERAL STATEMENT

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Duke University School of Medicine and Duke Hospital were established in 1925, through the munificent gift of the late James B. Duke. The *School of Medicine* has been planned to insure the greatest correlation between the various departments. These facilities are available also for students who are studying for degrees other than that of Doctor of Medicine. The School of Medicine has been approved as Class A by the American Medical Association and also is a member of the Association of the American Medical Colleges. On September 28, 1939, two hundred and fifty-eight students were enrolled.

### FACILITIES OF THE HOSPITAL

Duke Hospital has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham or from a distance. It has 456 beds, which will be increased to 569 early in 1940, including 50 bassinets for newly born infants. *Medicine*, including dermatology, neurology and psychiatry, has 111 ward beds; *surgery*, including urology, otolaryngology, ophthalmology and orthopaedics, 105 ward beds; *obstetrics*, including *gynecology*, 56, and 50 bassinets; and *pediatrics*, 52. There are 82 private rooms and semiprivate cubicles, 7 operating rooms, 4 obstetrics delivery rooms, and accommodations for a resident staff of 82. Offices and examining rooms for the members of the Medical Faculty are located in the Hospital. The Hospital has been approved for internship and residencies by the Council on Medical Education and Hospitals of the American Medical Association.

Duke Hospital and its Public Dispensary were opened for patients on July 21, 1930. One hundred and thirty-one thousand individuals have been examined, diagnosed, and treated up to October 1, 1939. The average daily census of hospital patients is 350; 66,946 visits were made to the Public Dispensary during the past year. Fifteen per cent of the patients come from within a radius of twenty miles, the remaining 85 per cent come from over 98 of the 100 counties in North Carolina and from 34 other states. The average distance traveled by the patient is more than 70 miles.

Every effort is being made to co-operate with the medical profession, and patients are asked to return to the physicians who referred them to the Hospital and Clinic.

**PUBLIC WARD PATIENTS.** Duke Hospital cannot give charity treatment to all who apply; therefore patients whose incomes are less than \$15 per week should apply to the Public Dispensary Division of the Duke Clinic on the days and hours listed below.

**PRIVATE PATIENTS.** Patients who can pay the ward and private rates may at any time, through their family physicians, in consultation with any member of the Hospital Staff, make reservations by telephoning to the Admitting Office. Appointments for private examinations and treatments may be made in advance by telephoning to members of the Hospital Staff or to the Private Diagnostic Division of the Duke Clinic.

### **SCHOOL OF NURSING**

The next class of students will be admitted to the Duke University School of Nursing on September 24, 1940, but applications will be considered at any time after January 1, 1940. The requirements for the class entering in 1940 are completion of one year of acceptable college work in an accredited college or university. Students entering in 1940 are eligible for the Diploma of Graduate Nurse after three years of eleven months each in the School of Nursing. Those who have had or who take a second year of acceptable college work are eligible for the degree of Bachelor of Science in Nursing. For the class entering in 1941, two years of acceptable college work (60 semester hours) in an accredited college or university will be required. Students entering in 1941 are eligible both for the Diploma of Graduate Nurse and the degree of Bachelor of Science in Nursing after three years of eleven months each in the School of Nursing. The tuition is \$100 per year. Further information, application forms, and bulletins may be obtained by writing to the Dean, Duke University School of Nursing, Durham, N. C.

### **SCHOOL OF DIETETICS**

In addition to the training of medical students and nurses in dietetics, six student dietitians may be admitted to the School of Dietetics and given the certificate of graduate dietitian after the successful completion of one year. The entrance requirements are a Bachelor's degree from an approved university or college, with majors in nutrition and institutional management, and the courses in chemistry, biology, social science and education recommended by the American Dietetic Association. The course for student dietitians provides instruction in all phases of hospital and institutional dietetics, including experience from the buying and storage of food to its service to the patient according to the doctor's orders. In addition, the student dietitians are required to complete the courses in biochemistry, nutrition, and selected portions of physiology as given to the medical students.

More detailed information and application blanks may be obtained from the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C. The course starts the first Monday in September, but applications for appointments should be made before February 1. No tuition is charged, but a registration fee of \$10 is payable at the time of appointment; maintenance is provided.

### HOSPITAL ADMINISTRATION

Three or four internships in hospital administration are available to university graduates, whose character, tact, and ability for leadership are good, and whose academic standing is high. These internships are of three years' duration and pay a small salary in addition to room, board, and laundry. Vacations of one month are allowed at the beginning of the second and third years of internship.

The instruction is practical rather than theoretical in emphasis. The internes are rotated through five different assistant administrative positions in the Hospital. There is also a weekly seminar lasting two hours. Further information may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C.

### SCHOOL FOR LABORATORY TECHNIQUE

The course in laboratory technique includes training in blood chemistry, clinical microscopy, bacteriology, serology, basal metabolism, and pathology. The course, which is approved by the Registry of Technicians of the American Society of Clinical Pathologists, begins August 1 and lasts eighteen months. Two years of college work are required with credits in biology or zoology, and inorganic, analytical and organic chemistry. The registration fee is \$65, and there are no additional charges, except for breakage. The students live in town at their own expense. Applications may be sent to Dr. David T. Smith, Duke Hospital, Durham, N. C.

### ANESTHESIA

Duke Hospital offers to registered nurses from accredited schools of nursing a twelve months' course in anesthesia, which includes the theory and practice of anesthesia. The tuition fee of \$100 covers all expenses of the course, including maintenance. Applications may be sent to Miss Mary Muller, Duke Hospital, Durham, N. C.

### MEDICAL SOCIAL SERVICE

Case work service is offered to patients referred by physicians within the Hospital, by outside social service agencies, or upon the patient's own application. Assistance and advice in connection with the problems presented are available to the members of the Staff and referring agencies. The division also provides lectures, consultations, and discussions for students of medicine and nursing, and serves as an agency for supervised field work experience for students of the graduate school of the University of North Carolina. Further information concerning training for advanced students may be obtained from the Social Service Division, Duke Hospital, Durham, N. C.

### RECORD LIBRARY

A course for the training of medical records librarians has been instituted at Duke Hospital. This course, which has been given full approval by the American Association of Medical Records Librarians, in-

cludes all details of the theory and practice of clinical record library methods. The length of the training is eleven months. The tuition fee is \$100 and does not include maintenance.

### MEDICAL SECRETARIAL SCHOOL

Duke Hospital offers a course of approximately four months, for medical secretaries, which gives them thorough training in the technicalities of medical secretarial work, medical terminology, medical shorthand, and ediphone transcription. The completion of a secretarial or business course is required for admission. A small remuneration is given. After this medical secretarial training, those who have proved capable are sometimes placed in positions in the Hospital as vacancies occur.

### POSTGRADUATE STUDY

The School of Medicine is not limited to the training of its own students and Staff, but extends to the members of the medical profession the benefit of everything it has. Graduates in medicine are welcomed especially at the various clinics and demonstrations in medicine, surgery, obstetrics, and other specialities.

### INTERNESHIPS AND RESIDENCIES

Interneships of one year's duration with room, board, laundry, and uniforms furnished, but without salary, are available in *surgery* (including general surgery, urology, and orthopaedics), in *orthopaedics*, in *urology*, in *otolaryngology*, in *dentistry*, in *obstetrics and gynecology*, in *endocrinology*, in *pediatrics*, and in *pathology*, commencing each July and September.

*Medical* interneships (including dermatology, neurology, and psychiatry) are of two years' duration, the interne rising by progressive stages of four months each to senior house officer. After one year's service the interne has the rank and emoluments of an assistant resident. Services begin in July, November, and March.

After the completion of an interneship in Duke Hospital or in another acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics and gynecology, pediatrics, neuropsychiatry, orthopaedics, urology, otolaryngology, roentgenology, pathology, biochemistry, or the Student Health Service, or as fellows of the Private Diagnostic Clinic, at a salary of \$250 to \$500 per year with maintenance, and eventually may be promoted to the residency in the various departments or subdepartments of the Hospital at an annual salary of \$500 to \$1,000 with maintenance. Applications should be made to the head of the department concerned.

### LIBRARY

In addition to the general library of Duke University and the departmental libraries of biology, chemistry, physics, etc., which have 532,544 volumes available for medical students, Duke Hospital Library contains



36,768 volumes of American and foreign medical literature and subscribes to 412 current American and foreign medical and other scientific journals. These books and journals are available daily from 8:20 A.M. to 11:00 P.M. for the students, nurses, staff, and medical profession.

### REQUIREMENTS FOR ADMISSION

*Intelligence and character are the essential qualifications for admission.*

In addition, each candidate must have the following preparation, which includes the minimal requirements for Class A medical schools:

1. At least three years of college work (90 semester hours), including:
2. *Biology*: At least one year (12 semester hours, one half of which must be laboratory work, and must include training in embryology). A course in comparative anatomy also is recommended.
3. *Chemistry*: At least two years (10 semester hours of inorganic chemistry including short or preliminary courses in qualitative and quantitative analysis, and 6 semester hours of organic chemistry; one half of each course must be laboratory work). These represent the minimal requirements in chemistry. Additional courses in analytical and physical chemistry, but not in biochemistry, are desirable. Also see Biochemistry, page 242.
4. *Physics*: At least one year (10 semester hours, one half of which must be laboratory work).
5. *Mathematics*: At least one year (6 semester hours; a working knowledge of logarithms is essential, and one of calculus is desirable).
6. *Language*: Required—two years of *English* (12 semester hours). A reading knowledge of scientific German is highly recommended.
7. Applicants are required to take the aptitude tests of the Association of American Medical Colleges unless specifically excused by the School. These tests are given at most of the colleges and universities in December. Selection is based on the *quality* rather than the *quantity* of preparation.

### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

After completion of ninety semester hours in Duke University or another approved university or college, and six quarters in the Duke University School of Medicine, Duke University, on the recommendation of the Executive Committee, grants the degree of Bachelor of Science in Medicine to medical students who have completed creditable investigative work, prepared an acceptable report of the investigation, and passed an examination upon the subject of the investigation before an advisory committee. Students who elect to undertake work toward this degree must obtain written permission from the Executive Committee after approval of their program by the head of the department in which the work is to be done. No credit toward this degree is given for additional college work, and students who have a Bachelor's degree are not eligible, but all students in good standing are encouraged to undertake such investigative work as they may elect when approved by the Curriculum Committee and the head of the department in which they wish to work.

**REQUIREMENTS FOR THE DEGREE OF DOCTOR  
OF MEDICINE**

The degree of Doctor of Medicine is conferred on those who have completed, to the satisfaction of the Executive Committee, the twelve quarters of the curriculum of the School of Medicine, the preclinical and clinical examinations, and have signed an agreement that they will spend at least two of the succeeding three years in hospital or laboratory work acceptable to the Executive Committee. As a guarantee of this pledge, the diploma is deposited in the Treasurer's Office until after the completion of this training. Failure to fulfill this agreement constitutes a waiver of any claim to possession of the diploma and the degree of Doctor of Medicine.

## DEPARTMENTS OF INSTRUCTION

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### ANATOMY

Five days per week during the Autumn Quarter and two days per week during the Winter Quarter are scheduled for the *required* courses of instruction in gross human anatomy, histology, and neurology. In all of this work considerable freedom is allowed the student in his selection of working hours and in the planning of his own methods of attack. Emphasis is placed upon the study of material in the laboratory, supplemented by a few lectures and by frequent small-group conferences upon any phases of the work then current. All of the instruction is designed to be as informal and as nearly individual as possible. General principles and the functional viewpoint of living anatomy are stressed in the hope that the student may be stimulated to secure a working knowledge of anatomy in the broadest sense. Whenever possible, fresh tissues and living cells are made available for examination, and clinical cases exemplifying anatomical principles are studied whenever they are available at appropriate times. Through the co-operation of the Department of Roentgenology, the students are given an opportunity to study portions of the living human body as revealed by the fluoroscope and roentgenograph.

*Applied Anatomy.* In the Spring Quarter a laboratory and conference course is offered to second-year students. The topics considered are arranged to correlate so far as possible with the work in physical diagnosis. Small groups of students are met once a week for a discussion of the anatomical problems raised by their laboratory and clinical studies.

*Surgical Anatomy.* This course is offered by members of the surgical staff and is open to a limited number of senior students. Anatomy as applied to surgery is studied, at the dissecting table, from the diagnostic and the operative points of view. Winter Quarter only, Tuesday and Thursday mornings.

*Advanced Studies in Anatomy.* Further work in the several branches of anatomy may be arranged for at any time. Prospective candidates for such work should discuss their wants with the member of the Staff in charge of the particular field in which work is requested because only a small number can be accommodated at any one time. A few properly qualified students may be permitted to undertake original research under the direction of various members of the Staff.

### BIOCHEMISTRY

The *required* course in general biochemistry for first-year students is given in the Autumn and Winter Quarters. One morning each week in the Autumn Quarter is devoted, in discussion groups, to the correlation of the fundamental facts and theories of physical and organic chemistry with the chemistry of living organisms. In the Winter Quarter three lec-

tures and four laboratory periods per week, supplemented by systematic reading and weekly conferences in small groups, are devoted to a more intensive study of the chemistry of the physiological processes of digestion and absorption, circulation and respiration, acid-base and salt equilibrium, metabolism including quantitative urine and blood analyses.

Since the success of the students in this course is largely determined by the adequacy and ready availability of their premedical training, it is urged that all students review the fundamental laws, theories, and facts of chemistry before the beginning of the course. A circular outlining the topics requiring special attention is sent to all students upon admission. Additional copies of the circular may be obtained from the Dean's Office. An examination to test the state of preparation of the student is given in the beginning of the course in biochemistry.

*Electives.* In connection with the course given in the Spring Quarter for second-year students a survey of pathological and clinical chemistry is presented. In this course are covered abnormalities of: protein, fat and carbohydrate metabolism, acid-base regulation, salt and water distribution, nitrogen retention, calcium and phosphorus metabolism, blood and derived bile pigments. The discussion of these topics is based upon case histories, including the records of the Clinical Chemical Laboratory of the Hospital.

*Biochemical Research.* The facilities of the department, including various types of research equipment and the clinical material of the blood chemistry laboratory, are available to properly qualified students for independent or supervised investigations. Chemical investigations of problems in biochemistry or in conjunction with the clinical departments and the Department of Pathology may be carried on.

*Seminar in Toxicology.* A round-table discussion of the homicidal, suicidal and industrial poisons, alcoholism, etc. Autumn or Spring Quarters by arrangement.

*Laboratory Detection of Common Poisons.* A laboratory course in the properties, detection, and identification of the common poisons. Consideration is given to the types of material to be examined, legal precautions to be taken and interpretation of the findings. Autumn or Spring Quarters by arrangement.

*Chemistry of the Colloidal State.* A two-hour seminar is given weekly throughout the Autumn, Winter, and Spring Quarters.

## PHYSIOLOGY, PHARMACOLOGY, AND NUTRITION

The *required* courses consist of (a) a lecture course in physiology, (b) a lecture course in pharmacology, (c) a lecture course on the elements of nutrition, supplemented by demonstrations of some biological and chemical methods employed in nutrition studies, (d) a laboratory course in physiology and pharmacology, and (e) a seminar in which the problems arising in the laboratory and in the student's reading are discussed.

*Elective* courses covering particular aspects of these subjects, including pathological physiology and research in special fields, are available.

*Research.* A few properly qualified students are permitted to undertake original research in physiology, pharmacology, or nutrition under the direction of various members of the Staff.

### PATHOLOGY

The *required* course in general pathology for second-year students is given in the Autumn and Winter Quarters. The class is divided into small groups, one instructor and an assistant being assigned to each group. For the purpose of teaching the gross pathological alterations of tissue, the museum material, which consists of complete cases preserved as units, has been classified into well-organized groups, such as obstructions, diseases due to animal parasites, tumors, etc., each group of materials being placed in a separate laboratory. The various student groups work with these groups of material in rotation. The microscopic aspects of pathological processes are studied by the students at the same time the gross pathological features of the disease are being considered. Physiological, chemical and bacteriological phases of the various disease processes are presented to the student by constant reference to the autopsy protocols and clinical studies of the cases which are being considered by the groups, and by visits to the hospital wards. Once each week a clinic is presented for the class; the subjects of the clinics are cases from the Hospital which illustrate pathological processes being currently studied. Lectures on general subjects of wide application are given in co-ordination with the museum case studies. Attendance at autopsies is required of the students of the second year, the class being divided into small groups which are called in turn. The group members are required to follow all studies of the cases which they see and to prepare their own complete records. Cases thus prepared are presented by the students before the entire class under the direction of the Staff.

*Elective* courses in pathology in the Spring Quarter are available for a limited number of students who have completed the course in general pathology. Research facilities are provided in the department for students who are competent to undertake investigation.

On Wednesdays at 5 P.M., during the Autumn, Winter, and Spring Quarters, a clinical-pathological conference is held in co-operation with the staffs of the clinical departments. While this conference is designed especially for the Hospital Staff, it is open to all members of the medical profession and students of medicine. Students of the second, third, and fourth years routinely attend this conference. A gross diagnostic clinical-pathological conference on current autopsies is held weekly in collaboration with the clinical departments. This conference is required of the students of the third and fourth years.

### BACTERIOLOGY AND PARASITOLOGY

*Bacteriology, Mycology, Immunology, and Parasitology.* The required course is given in the Autumn Quarter of the second year. An intensive study is made of the common bacteria, fungi, and parasites which cause



disease in man. The scope of the laboratory course is reasonably wide and acquaints the student with all the methods and procedures employed in bacteriological laboratories. Most of the lecture time is devoted to the immunological and epidemiological aspects of infection. We are especially interested in the student's having a clear conception of: (1) how organisms gain entrance to the body, (2) the type of poisons which they produce, (3) the nature of immune bodies which are produced by the host, and (4) the methods of preventing the disease by active and passive immunization. *Research Bacteriology.* Opportunities for original investigations are afforded a few specially qualified students. *Clinical Bacteriology.* During their clinical clerkships on medicine (one quarter each for Junior and Senior classes), the students may perform the routine and special bacteriological work for the patients assigned to them on the teaching service, under the direction of the Department of Bacteriology and in parallel with the Biological Division of the medical clinics.

### MEDICINE

*Clinical Microscopy* is given in the Winter Quarter of the second year. The course includes the essentials of hematology and the examination of fresh material, such as urine, stools, spinal fluid, sputum, transudates and exudates. The most important parasites of man are studied by the use of fresh and museum material. Second-year and Senior students are given opportunities for special work and for investigation.

*Physical Diagnosis and Introduction to Clinical Medicine.* This course, in the Spring Quarter of the second year, consists of instruction in history taking, physical examination, and the application of the preclinical sciences to the interpretation of findings. All departments, preclinical and clinical, including the specialties, participate. The importance of co-operation between clinic and laboratory is emphasized, and the preclinical departments extend the teaching of their particular branches in correlation with other preclinical and clinical studies. In this manner the course serves as an introduction to clinical medicine. The class is divided into sections of not more than ten students, and each student is given individual instruction.

*Junior Medicine.* Junior students are assigned in small groups for one quarter to the medical wards as clinical clerks. Teaching rounds are held from 8:30 to 9:30 A.M., on Mondays, Wednesdays, and Fridays. During the Autumn, Winter, and Spring Quarters, medical clinics are given on Mondays, Wednesdays, and Saturdays at 11:30 A.M., and on Wednesdays, during the Summer Quarter.

*Therapeutics.* Each group of Junior students receives practical instruction in *pharmaceutics* under the guidance of an instructor in Pharmacy. On Tuesdays and Thursdays from 1:30 to 2:30 P.M. bedside instruction is given in *applied pharmacology and therapeutics* to the group on Junior Medicine.

*Senior Medicine.* Senior students are assigned for one quarter to the Dispensary as clinical clerks. Teaching rounds are held from 9:30 to 11:30



A.M. on Mondays and Fridays. Seniors attend medical clinics on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

*Dermatology and Syphilology.* Instruction is offered each quarter to Senior students consisting of lectures, seminars, and study and treatment of patients.

*Neurology.* An elective course consisting of bedside teaching in clinical neurology is offered for three quarters to Senior students. The Laboratory of Experimental Neurology is available for postgraduate investigative work; this laboratory handles routinely the neurosurgical biopsy material including intracranial tumors. A three channel electroencephalograph is in routine clinical use and is available for special research problems.

*Neuropsychiatry.* Instruction is started in the second year with a course that covers psychobiology and general psychopathology, and which serves as a bridge between the student's work in academic psychology and clinical neuropsychiatry. This course is concerned with the modern conception of the personality, its neurophysiological basis, growth and development, and traits, normal and abnormal. The problems of intelligence, intelligence testing, and mental deficiency are discussed. The students are trained in neuropsychiatric method and examination, and they make a psychiatric or personality make-up examination upon themselves. Instruction in neuropsychiatry for Junior and Senior students is continued by weekly lecture-clinics during the Autumn, Winter, and Spring Quarters. In the Autumn Quarter the emphasis is on neurology; in the Winter and Spring Quarters the clinical study of psychiatry is developed. Mental disorders in general are considered, and the major psychoses are specifically outlined. The didactic work in neuropsychiatry is supplemented by clinics and by the student's actual experience in handling such psychiatric problems as occur on the wards and in the Public Dispensary of the Hospital. The problems of the psychoneuroses, psychotherapy, and mental hygiene are emphasized. In addition, clinics are held in the North Carolina State Hospital, Raleigh, N. C. Special and elective work in psychiatry is offered to students who are especially interested. Before graduation, it is sought to give the student a workable conception of the individual as a whole, the psychobiological unit, that may be applied in practice.

## SURGERY

*General Surgery.* In the Spring Quarter the second-year students, during their course in physical diagnosis, attend clinics and demonstrations arranged to familiarize them with the techniques of examinations and the diagnostic procedures used in general surgery and the surgical specialties. Emphasis is placed on the more practical and commonly used methods.

During the Autumn, Winter, Spring, and Summer Quarters, at 11:30 A.M. on Tuesdays and Fridays, and during the Autumn, Winter, and Spring Quarters at 9:30 A.M. on Saturdays, clinics in surgery and the surgical specialties are held for Junior and Senior students. The *Junior*

students, during their surgical quarter, attend ward rounds in surgery from 8:30 to 10:30 A.M., on Mondays, Wednesdays, and Fridays, act as clinical clerks on the wards, avail themselves of the electives offered and attend the regular clinics. The surgical group in the *Senior* year attends ward rounds from 8:30 to 10:30 A.M. on Mondays, Wednesdays, and Fridays, the regular clinics and the electives offered, and assists in the surgical dispensary in the afternoons. Individuals may take any of the electives offered.

An *elective* course in operative surgery is given in the experimental laboratory during the Autumn and Spring Quarters. This course is scheduled from 8:30 to 11:30 A.M. on Tuesdays and Thursdays. The group is divided into operating teams, and each student takes his turn serving as the operator, first assistant, and anesthetist. During the Winter Quarter special work in experimental surgery may be arranged by conference with the instructor. The purpose of this course is to teach the basic principles of aseptic surgery as well as of anesthesia. Incidentally the student performs a number of operations illustrating various types of surgery, the operative procedures being of gradually increasing difficulty.

An *elective* course in emergency and traumatic surgery is given each quarter. In groups of two, each week, Junior or Senior students are on call in the emergency room for all accidents and emergencies. Opportunity is given to observe and assist in the treatment of accident cases and in the diagnosis of acute abdominal emergencies. Lectures, twice each week, during the Winter Quarter, supplement this course.

An *elective* course in anesthesia is open to four properly qualified Senior students, each quarter. Students meet the anesthetist each morning in the operating room and observe and administer anesthetics under supervision.

*Ophthalmological Division.* During the Spring Quarter second-year students receive instruction in elementary ophthalmology. During the Junior obstetrical quarter the students are assigned to the ophthalmological clinic on Tuesday and Friday afternoons for five and one-half weeks, and assist in the study and treatment of eye diseases. Especial emphasis is placed on the underlying medical and surgical conditions. Each student follows throughout his time in the clinic all patients assigned to him. For those who manifest an unusual interest in this specialty, provision will be made for more advanced work. An elective course in diseases of the eye, including refraction and the use of diagnostic instruments, is given each quarter on Thursday morning along with a similar elective in otolaryngology.

*Orthopaedic Division.* In the Spring Quarter of the second year an introductory course in orthopaedics is given. During the surgical quarters the Junior and Senior students attend ward rounds at 8:30 A.M. on Monday. Clinics are held during the Autumn Quarter on Friday at 11:30 A.M. for Juniors and Seniors. Students in their Senior Surgical Quarter are assigned in rotation to the orthopaedic dispensary which is held each afternoon from Monday to Friday inclusive. Special work may be ar-

ranged for students who wish to do research or experimental work. At 813 Fifth Street, the orthopaedic department conducts a special clinic for the treatment of cerebral palsy. The clinic has a bed capacity of twelve and is staffed with a specially trained physiotherapist, a schoolteacher, and an administrative officer. Interested students are welcomed at any time. An elective course in orthopaedic pathology is offered for one hour per week during the Winter Quarter for Juniors and Seniors. During the surgical quarters the Junior and Senior students attend fracture ward rounds at 8:30 A.M. on Friday. An elective course in the treatment of fractures is offered during the Junior and Senior surgical quarters on Friday morning from 9:30 to 11:30. In this course the students get practical training in the application of plaster-of-Paris cast and in the follow-up treatment of fractures. Students are given the opportunity of attending the North Carolina Orthopaedic Hospital Clinic at Goldsboro the third Thursday of each month. They may also attend similar clinics held in Lumberton the first Friday of each month and at Elizabeth City the last Tuesday of each month and in Tarboro the Monday before the last Tuesday of each month.

*Otolaryngological Division.* An introductory course of instruction in the use of otolaryngological instruments, with a review of normal anatomy, is given to second-year students in the Spring Quarter. Clinics on Fridays at 11:30 A.M. during the Spring Quarter are given to Junior and Senior students. Junior students during their obstetrical quarter spend two afternoons for five and one-half weeks in the otolaryngological dispensary. There are no formal teaching otolaryngological ward rounds, but Junior and Senior students are assigned to patients during the surgical quarter. Individual instruction is given the student by the various members of the Staff. An *elective* course on the anatomy, physiology, and disease of the ear, nose, and throat has been arranged for those desiring it. An *elective* course on diseases of the ear, nose, and throat, including X-ray interpretation and the use of diagnostic instruments is given on Thursday morning of each quarter along with a similar elective in ophthalmology.

*Urologic Division.* In the Spring Quarter, second-year students are given a course of lectures and practical demonstrations in urological physical diagnosis in the normal individual. Ward rounds on urological patients are given every Saturday at 8:30 A.M., throughout the year, which Junior students in their surgical quarter, and the Senior surgical group are required to attend. During each quarter, small groups are selected from the Senior surgical group of students and assigned in rotation to the urological dispensary every afternoon. Here, under proper supervision, they study patients and give recommended treatment. During one and a third quarters of the year urological lectures are given on Fridays at 11:30 A.M. for the Junior and Senior classes. These lectures deal with the affections of the male and female urinary tract and of the male genital tract. Clinics for urethroscopic and cystoscopic investigation and the more technical methods of urological diagnosis and treatment are held

Monday, Wednesday, and Thursday from 1:30 to 5:00 P.M. and Tuesdays and Thursdays from 9:30 A.M. to 12:30 P.M., and from 1:00 to 5:00 P.M. throughout the year. X-ray conferences on all urological cases are held Tuesday, Thursday, and Saturday mornings from 8:30 to 9:30 and are followed by Staff rounds. Three Senior students may select one of these cystoscopic clinics, X-ray conferences, and Staff rounds as an elective. *The Urologic Journal Club* meets each Monday from five to six-thirty o'clock, and members of the Staff review their respectively assigned journals. Interested students are welcomed.

*Neuro-surgical Division.* During the Autumn, Winter, Spring, and Summer Quarters, at 11:30 A.M., on every third Tuesday, neuro-surgical amphitheater clinics are held for Junior and Senior students. In these clinics, the general principles of neuro-surgical diagnosis and treatment are discussed. During all four quarters, weekly ward rounds are held at 8:30 A.M. on Wednesdays for the surgical group in the Senior year. Emphasis is placed in these smaller clinics upon the recognition of neuro-surgical problems, followed by observation of the operating and post-operative procedures. Weekly X-ray and pathological conferences are held which may be attended by interested individuals.

The *Tumor Clinic* of the Duke Hospital was organized in 1935 for the study and student teaching of malignant disease. It is staffed by a surgeon, radiologist, and pathologist, who attend all clinics, and consultants in the various specialties are on the consulting staff to be called when a patient with a malignant tumor in their field is registered in the clinic. Students in their fourth-year surgical quarter see all cases registered in the clinic and work them up and have available for teaching not only the clinical background of the Staff but also pathological sections of tumors under the study of the pathologists. From August, 1937, to August, 1938, there were 720 old patients and 455 new patients seen in the Tumor Clinic.

*Dentistry.* Second-year students, in the Spring Quarter, are instructed in the principles of dentistry.

### ROENTGENOLOGY

A course with especial reference to differential diagnosis and X-ray and radium therapy is given during the Senior surgical quarter. Instruction in radium and X-ray therapy is given the Senior students each quarter in the tumor clinic.

An elective course in X-ray differential diagnosis is given to a limited number of students each quarter.

### OBSTETRICS AND GYNECOLOGY

*Second-year* students receive seventeen hours of instruction in the fundamentals of obstetrics and gynecology during their course in physical diagnosis in the Spring Quarter. Clinics and demonstrations for Junior and Senior students are held on Saturdays at 10:30 A.M. during the Autumn, Winter, and Spring Quarters and on Mondays at 11:30 A.M. in the Summer Quarters. During one quarter of the *Junior* year each group



of students attends ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Saturdays, and the Public Dispensary at 1:30 P.M. three times weekly, except Saturdays, Sundays, and holidays for eleven weeks. They also attend an endocrine clinic once a week for eleven weeks during the Junior year. The students also spend part of each day on the wards. *Senior* students, during their surgical quarter, have ward rounds on obstetrics and gynecology on Saturdays at 8:30 A.M. Each *Senior* student, during his specialties quarter, is required to spend two weeks on service with the Outside Obstetrics Training Group at Charlotte, N. C. This group is active in the antepartum care, in the delivery of the patients, and in the postpartum care of patients registered by the Maternity Clinic of that city. The group is under the direction of a trained obstetrician.

*Elective* courses in the diagnosis and treatment of obstetrics and gynecologic conditions are offered for Junior and Senior students.

### PEDIATRICS

Each *second-year* student receives nine hours of instruction in elementary pediatrics during the course in physical diagnosis in the Spring Quarter. *Junior* and *Senior* students, during their medical quarters, have pediatric ward rounds on Saturdays from 8:30 to 9:30 A.M. The *Senior* students are divided into three groups, each of which spends one quarter in pediatrics. During this quarter, they are assigned daily as clinical clerks on the children's ward, nursery and pediatric dispensary, attend ward rounds, at 8:30 A.M. on Mondays, Wednesdays, and Fridays, are instructed in the practical nursing of infants by Miss Sherwood on Mondays and Wednesdays at 10:30 A.M., assist in the treatment of pediatric patients in the syphilis clinic on Thursdays at 9:00 A.M., and are taught the preparation of diets for infants and children by the Professor of Dietetics. Each student attends six infant feeding clinics during this quarter. On Thursdays at 11:30 A.M., the Junior and Senior students attend demonstrations at which the preclinical basis, as well as the clinical aspects, of disease are emphasized. *Elective courses: Senior students* may attend the feeding clinic on Tuesdays at 9:00 A.M., do research work, or assist in pediatric ward or dispensary one or more mornings per week, according to the time at their disposal.

### LEGAL MEDICINE AND TOXICOLOGY

This course embraces a discussion of the relation of physicians to legal criminal procedures, jurisdiction of the coroner and medical examiner, laws governing the dead human body, personal identity of the living and the dead, the legal autopsy, traumatic injuries and fractures, rape, abortion, asphyxial death, homicidal, suicidal, and industrial poisoning, alcoholism, the examination of blood, stains, fibers, and the detection of malingering. The course is open to students in the seventh to twelfth quarters and is given in alternate years. To be given in 1939-40. Discussions of medico-legal problems for the House Staff and Senior students, and joint conferences of the medical and law students also are held.

**PREVENTIVE MEDICINE AND PUBLIC HEALTH**

*Public Health and Hygiene.* A lecture course designed to acquaint second-year students with general environmental sanitation including sewage disposal, water supplies, milk and food for rural and urban communities. Vital statistics, public health regulations, and various official public health organizations are discussed. Exercises in the epidemiology of several diseases are introduced to give the student a broad view of disease and its prevention. *Field Demonstrations.* Visits for observation and instruction are made to state, county, and city health departments, infant and school hygiene clinics, dairies, public water supplies, sewage disposal plants and industrial establishments. Seminars are held in which the students discuss the various problems encountered in their field experience. *Preventive Medicine.* A series of lectures and exercises intended to provide Senior students with the preventive point of view in the practice of medicine. The etiology, modes of transmission, epidemiology, and the prevention of communicable diseases are discussed. The problems of infant and maternal hygiene, occupational diseases, and the deficiency diseases are considered. Emphasis is placed upon the relationship of the private practitioner of medicine to the public health program. *A Laboratory Course* is given in the Autumn Quarter of the second year by the Department of Bacteriology, and consists of the identification and virulence testing of diphtheria cultures, the isolation of stool, throat and blood organisms, the practical examination of water, Schick, Dick and tuberculin tests, and vaccination against typhoid and smallpox. *Elective:* Through the co-operation of several city and county health officers, students may spend one or more weeks in observing and assisting in the operation of these public health units.

**CURRICULUM OF THE SCHOOL OF MEDICINE**

The usual four medical school years of thirty-three weeks each may be condensed into three and one quarter calendar years. In the preclinical subjects three terms, and in the clinical subjects four terms, each of eleven weeks, are given during the year, and a certificate is granted after the satisfactory completion of twelve terms. These may be taken consecutively (certificate in three and one quarter years) if the student's previous work has been outstanding and if he has been given permission by the Curriculum Committee; or three terms may be taken each year (certificate in four years). Such a curriculum will affect in no way the course at any other medical school. If students who have received their first two years of training at other medical schools wish to spend their clinical years at the Duke University School of Medicine, they are eligible in October for the seventh quarter, which corresponds to the beginning of the usual Junior Class (see page 241).

Every effort is made to emphasize the close relationship of preclinical and clinical instruction. Members of the Clinical Staff assist in the teaching of preclinical subjects and demonstrate, to the students of the first two years, patients whose conditions illustrate the subjects being taught.



Thus, from the student's first days, he is impressed with the interdependence of all branches of the medical science. During the sixth quarter every department of the School participates in a correlation course, which combined with the teaching of physical diagnosis, serves to give the student just entering his clinical years a co-ordinated introduction to medicine in all its aspects. From the seventh to twelfth quarters, pre-clinical instructors assist the Clinical Staff in presenting the underlying basis of disease.

Eighteen per cent of the time in this curriculum is free for elective work or anything else which the student wishes to do. No credits are given for specific courses during this free time. The opportunity merely is provided for each student, on his own initiative, to obtain the additional training which he may feel to be necessary or desirable. It is hoped that many of the students will migrate to other medical schools in this country or abroad for one quarter, a practice which is encouraged. The students also may utilize their free time in elective courses in pre-clinical and clinical departments and may pursue independent work in any subject or may do research work. The elective courses have been organized for small groups and will be repeated, if necessary, in one or more quarters. Students who wish to study during the Summer Quarter, either here or elsewhere, to spend one or more quarters at other medical schools or to substitute a program different from that listed below, must obtain permission, in advance, from the Curriculum Committee.

#### CURRICULUM OF FOUR QUARTERS OF ELEVEN WEEKS EACH

(The hours for these courses will be posted on the bulletin board.)

##### FIRST YEAR

###### AUTUMN QUARTER (1st):

September 28 to December 16, 1939.

Anatomy (including histology and neuro-anatomy) .....	385 Hours
Biochemistry .....	18 Hours
Free time .....	26 Hours

###### WINTER QUARTER (2d):

January 2 to March 16, 1940.

Anatomy (including histology and neuro-anatomy) .....	165 Hours
Biochemistry .....	176 Hours
Free time .....	88 Hours

###### SPRING QUARTER (3d):

March 26 to June 8, 1940.

Physiology and pharmacology, including nutrition .....	330 Hours
Free time .....	99 Hours

##### SECOND YEAR

###### AUTUMN QUARTER (4th):

September 28 to December 16, 1939.

Pathology .....	198 Hours
Bacteriology and Parasitology .....	150 Hours
Introduction to Psychiatry .....	11 Hours
Free time .....	70 Hours

## WINTER QUARTER (5th) :

January 2 to March 16, 1940.

Pathology .....	183	Hours
Clinical microscopy .....	110	Hours
Public health and hygiene .....	37	Hours
Free time .....	99	Hours

## SPRING QUARTER (6th) :

March 26 to June 8, 1940.

Physical diagnosis and introduction to clinical medicine .....	300	Hours
Free time .....	129	Hours

## JUNIOR YEAR

SUMMER QUARTER (7th) :\*  
June 17 to August 31, 1940.

Medicine (Junior) .....	385	Hours
Free time .....	44	Hours

AUTUMN QUARTER (8th) :\*  
September 28 to December 16, 1939.

Surgery (Junior) .....	418	Hours
Free time .....	11	Hours

WINTER QUARTER (9th) :\*  
January 2 to March 16, 1940.

Obstetrics and gynecology (Junior) .....	220	Hours
Ophthalmology and Otolaryngology .....	66	Hours
Free time .....	143	Hours

## SENIOR YEAR

SPRING QUARTER (10th) :\*  
March 26 to June 8, 1940.

Medicine (Senior) .....	390	Hours
Free time .....	39	Hours

SUMMER QUARTER (11th) :\*  
June 17 to August 31, 1940.

Surgery (Senior) including Urology and Orthopaedics .....	309	Hours
Obstetrics .....	120	Hours

AUTUMN QUARTER (12th) :\*  
September 28 to December 16, 1939.

Pediatrics .....	191	Hours
Medicine .....	82	Hours
Final clinical examinations .....	24	Hours
Preventive medicine .....	22	Hours
Free time .....	110	Hours

## SUMMARY

Total number of hours required instruction, (83%) .....	4,290
Total number of hours of free time, (17%) .....	858
Total number of hours in curriculum, (100%) .....	5,148

\* The clinical instruction is repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth, and ninth quarters, and also the order of the tenth, eleventh, and twelfth quarters. Students who do not attend the Summer Quarters, have similar instruction one quarter later. The above schedule merely illustrates the program of one group.

## FEES AND EXPENSES

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All fees for each quarter are due and payable at the beginning of each quarter, and no student will be admitted to classes until these fees have been paid at the University Treasurer's Office. A fine of \$5.00 is charged for late registration. No credit will be given for any quarter in which the tuition of \$150 has not been paid at the Treasurer's Office, whether the work has been done here or elsewhere, except: (1) students who have been given permission by the Curriculum Committee to spend a quarter at a European medical school or hospital will have their tuition of \$150 for that quarter remitted and (2) students who have been permitted by the Curriculum Committee to spend a quarter at another American medical school or hospital may subtract the amount of tuition paid at this other medical school or hospital from the \$150 due here for that quarter.

It is not advisable for a student to attempt outside work to defray his expenses; the results usually are disastrous to his health and academic standing.

### Fees and Expenses

Tuition, per quarter .....	\$150
Health Fee, per quarter .....	3.33
Athletic Fee, admitting students to all athletic contests held on the University campus during the quarter .....	5
Room-rent, per quarter* (estimated) .....	50
Board, per quarter (estimated) .....	75
Laundry, per quarter (estimated) .....	10 to 20
Books, per quarter (estimated) .....	25 to 50
Commencement and Diploma Fees** .....	8
National Board of Medical Examiners Fees** 25 (Part I), 20 (Part II)	
Microscope, ophthalmoscope, otoscope and other equipment, which are required of each student and which must conform to rigid standards, may be obtained on a rental basis from the University	20 to 30
Estimated total expenses, per month .....	115 to 150

### ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the University a loan fund for students. In addition, the University administers other endowed loan funds for the benefit of students who are not financially able to meet their expenses. Medical students, after their third quarter, are eligible for

\* Rooms may be reserved by medical students in Few Quadrangle. These rooms are provided with furniture, heat, electric light, and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Applications for rooms, accompanied by a reservation fee of \$25, should be made before August 1, by writing to Mr. W. E. Whitford, Duke University, Durham, N. C. This fee is deducted from the room charges for the Fall Quarter; it is not refundable unless the request is made before August 1.

\*\* Payable at the beginning of the quarter in which a student is eligible for a degree or examination.

loans from these sources. No scholarships are awarded in the School of Medicine. The loan funds are administered in accordance with the following regulations:

1. No loan will be made to a student who violates any of the regulations of the University or who is not doing outstanding class work.

2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged not later than one week after the beginning of a quarter.

3. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money will be advanced before a note with approved security is in the hands of the Treasurer of the University.

4. Interest at the rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

### RESEARCH FELLOWSHIPS

The Lederle Laboratories Research Fellowship, in the Department of Biochemistry, held by Dr. Hans Neurath.

The James A. Greene Brucella Research Fellowship, in the Department of Medicine, held by Dr. Bowman Wise.

The Lederle Fellowship, in the Department of Surgery, held by Dr. Alton R. Taylor.

The National Cancer Institute Fellowship, in the Department of Surgery, held by Dr. W. Ray Bryan.

The Ciba Pharmaceutical Products Research Fellowship in Endocrinology, held by W. Kenneth Cuyler.

The Dorothy Beard Research Fellowship, in Experimental Surgery, held by Dr. D. Gordon Sharp.

The National Cancer Institute Fellowship, in the Department of Pathology, held by Dr. James G. Whildin.

Research Fellowship in Endocrinology, held by Dr. Chauncey J. Pattee.

### MEMORIAL CHAIR OF MEDICINE AND MEDICAL RESEARCH

The Florence Reynaud McAlister Chair of Medicine and Medical Research was established and endowed in 1936 by Mrs. Amelie McAlister Upshur, in memory of her sister.



THE SCHOOL OF NURSING

1939-1940

ANNOUNCEMENTS FOR 1940-1941



## CALENDAR

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1939

- Nov. 30. Thursday—Thanksgiving Day: a holiday.  
Dec. 16. Saturday—Autumn Quarter ends.

1940

- Jan. 2. Tuesday—Winter Quarter begins.  
March 16. Saturday—Winter Quarter ends.  
March 25. Easter Monday: a holiday.  
March 26. Tuesday—Spring Quarter begins.  
June 3. Monday—Commencement.  
June 8. Saturday—Spring Quarter ends.  
June 17. Monday—Summer Quarter begins.  
July 4. Thursday—Independence Day: a holiday.  
Aug. 31. Saturday—Summer Quarter ends.  
Sept. 26. Thursday—Registration of students, and Autumn Quarter begins.

## OFFICERS OF ADMINISTRATION

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WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.  
*President of the University*

ROBERT LEE FLOWERS, A.M., LL.D.  
*Vice-President, Secretary, and Treasurer*

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.  
*Vice-President*

CHARLES BLACKWELL MARKHAM, A.B., A.M.  
*Assistant Treasurer*

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MARGARET ISABEL PINKERTON, R.N., B.S.  
*Dean of the School of Nursing*

## GENERAL INFORMATION

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The School of Nursing of Duke University was established in 1925 in connection with the School of Medicine of the University and Duke Hospital through the munificent gift of the late James B. Duke.

The plan of the School is to give a sound basic course in Nursing Education which will prepare young women to give intelligent nursing care to the sick in hospitals and homes of the community as well as an introduction to the problems of community health and preventive medicine.

### FACILITIES FOR INSTRUCTION

The facilities for instruction include the undergraduate colleges of the University, the School of Medicine, and the Duke Hospital.

### LIBRARIES

The reference library of books and periodicals of special interest to students majoring in nursing is located in the Hospital Library. The students may use the general libraries on both campuses.

### RESIDENCE

The students are housed in the fireproof residence located near the Hospital. It is adequately equipped with blankets and linen, making further provision by the student unnecessary.

### HEALTH REGULATIONS AND PHYSICAL EDUCATION

The School has general supervision of the student's health. All physical defects, such as defective vision, dental needs, etc., must be corrected before admission to the School. The student must have been immunized against typhoid fever, and vaccinated against smallpox during the current year. All students are required to pass a physical examination before admission to the School of Nursing and at intervals thereafter, a final examination being given at the end of the course. Exercises for two periods a week during the first two quarters is required of all students.

### ACTIVITIES OFFERED

*Autumn Quarter* (October to December): Hockey, swimming, tennis, moderate sports, and hiking.

*Winter Quarter* (January to March): Informal gymnastics, Danish gymnastics, apparatus, games, individual gymnastics, folk dances, clogging, interpretative dancing, swimming, and basketball.

*Spring Quarter* (March to June): Tennis, swimming, baseball, track, field events, and archery.

**ADMISSION REQUIREMENTS**

Application forms may be obtained by writing to the Dean, Duke University School of Nursing, Durham, N. C. They must be typed, a 2 x 2½ inch recent photograph attached, and the application returned to the Dean as soon as possible. Applications are considered in the order received. If the information is satisfactory, a personal interview with the Committee or a Regional Representative will be arranged for the applicant. The candidate is notified as soon as possible whether she has been accepted or declined; if accepted, the student must send in a deposit of twenty-five dollars (\$25) within two weeks to insure enrollment. This money is applied toward her tuition. Students are admitted only at the beginning of the Autumn Quarter, but applications are considered, and a decision with regard to Admission is made after January 1 of that year. Students are matriculated in the School of Nursing on September 26, 1940.

**1940**

The requirements for the class entering in 1940 are completion of one year of acceptable college work in an accredited college or university. Students entering in 1940 are eligible for the diploma of graduate nurse after three years in the School of Nursing. Those who have had or who take a second year of acceptable college work are eligible for the degree of Bachelor of Science in Nursing. The college courses suggested are those listed for the 1941 class.

The following college courses are required for admission:

	Approx. S.H.
English Composition, one year.....	6
General Inorganic Chemistry, one year.....	8
Zoology, one year .....	8
*Electives .....	8
<i>Total</i> .....	<u>30</u>

**1941 and Succeeding Years**

The requirements for the class entering in 1941 are the completion of two years of acceptable college work (60 semester hours) in an accredited college or university. Students entering in 1941 are eligible both for the diploma of graduate nurse and the degree of Bachelor of Science in Nursing after three years in the School of Nursing.

The following college courses are required for admission:

	Approx. S.H.
English Composition, one year.....	6
General Inorganic Chemistry, one year.....	8
General Zoology, one year.....	8
General Physics, one year.....	8
*Electives .....	30-34
<i>Total</i> .....	<u>60-64</u>

\* Electives may be chosen from any of the following fields: history; political science or economics; mathematics; English literature; foreign language (if foreign language is elected, the second year in college or the second year of college language based on two high-school units should be completed). A semester of general psychology and a year of sociology are strongly recommended.

**EXPENSES**

The estimated cost for the three years' course is approximately \$340, distributed as follows:

	Total
Tuition Fee \$100 per year.....	\$300
Incidentals \$10 per year.....	30
Commencement Fee .....	8

Incidental expenses include special books, excursions, student activity fees, etc.

The Tuition Fee is payable as follows:

First year, \$25 upon acceptance by the School
\$25 upon registration, September 26, 1940
\$50 on January 1, 1941
Second and third years, \$50 on October 1 and \$50 on January 1.

There will be a refund of \$25 to students who leave the School within one month of registration. The tuition includes room, board, laundry, uniforms, and some of the textbooks. The expenses of the two years of college work, which are required for the Bachelor of Science degree, are borne by the student.

**READMISSION**

Students who are absent for more than one month through illness or leave of absence may be readmitted to the same or a succeeding class at the discretion of the Committee.

**VACATIONS**

Each year is divided into four quarters of three months each. The first-year students have vacations of two weeks at Christmas and two weeks during the summer. Junior and Senior students have vacations of one month each.

## COURSES OF INSTRUCTION

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*This is a condensed description of courses. For a full description, see Bulletin of the School of Nursing.*

Anatomy and Physiology.	DR. YOUNGSTROM, DR. KOHN, MISS GARDINER
Chemistry.	DR. TAYLOR, MISS GARDINER
Bacteriology.	DR. MARTIN, MISS GARDINER
Pathology.	DR. SPRUNT, MISS GARDINER
Elementary Materia Medica.	MISS GARDINER
Advanced Materia Medica.	MISS GARDINER
Elementary Psychology.	DR. LUNDHOLM
Applied Psychology.	MISS GARDINER
Professional Adjustments I.	MISS PINKERTON
Professional Adjustments II.	MISS GARDINER, MR. J. BRADWAY
History of Nursing.	MISS GARDINER
Nursing Arts I.	MRS. MOSELEY
Nursing Arts II.	MRS. MOSELEY
Nursing Arts III.	MRS. MOSELEY AND SUPERVISORS
Nursing Care Plan.	MRS. KLENNER
Senior Demonstration.	MRS. MOSELEY AND SUPERVISORS
Nutrition, Foods, and Cookery.	MRS. MARTIN
Dietetic Therapy.	MRS. MARTIN
Sociology.	MISS GARDINER
Social Service.	MISS GARDINER, MISS PERRY GIBSON
Introduction to Community Health.	MISS GARDINER
Preventive Medicine and Public Health.	DR. BROWN, DR. EPPERSON AND ASSISTANTS, MISS GARDINER
Medical Diseases and Medical Nursing.	DR. SCHULZE, MRS. KLENNER
Dermatology.	DR. CALLAWAY, MISS GARDINER
Neurology and Psychiatry.	DR. CRISPELL, MISS GARDINER
General Surgical Diseases and Surgical Nursing.	ASSISTANT RESIDENT, MISS JAMES
Operating Room Technique.	MISS BATCHELDER
Orthopedics.	DR. RANEY, DR. LENOX BAKER, MISS JAMES



Urology.	DR. ALYEA, MRS. MOSELEY
Otology, Rhinology, and Laryngology.	DR. EAGLE, MISS GARDINER
Ophthalmology.	DR. ANDERSON, MISS GARDINER
Gynecology and Gynecological Nursing.	DR. CARTER, MISS IRVINE
Obstetrics and Obstetrical Nursing.	DR. CARTER, MISS IRVINE
Pediatrics and Pediatric Nursing.	DR. MCBRYDE, DR. ARENA, MISS SHERWOOD
Communicable Diseases.	DR. HARRIS, MRS. KLENNER
X ray.	DR. REEVES, MRS. KLENNER
Dental Hygiene.	DR. ATWOOD, MRS. KLENNER
Allergy.	DR. HANSEN-PRÜSS, MRS. KLENNER
Basal Metabolism.	DR. JOHNSTON, MRS. KLENNER
Physical Therapy.	MISS GORDON
Posture.	MISS GORDON

CURRICULUM

FIRST YEAR

<i>Autumn Quarter</i>				<i>Winter Quarter</i>			
	Lect., Class	Lab.	Total		Lect., Class	Lab.	Total
Anatomy and Physiology . . . . .	49	63	112	Nursing Arts II. . . . .	44	55	99
Chemistry . . . . .	33	22	55	Bacteriology . . . . .	22	22	44
History of Nursing . . . . .	33		33	Elem. Materia Medica . . . . .	22	11	33
Elem. Psych. . . . .	22		22	Nutrition, Foods, and Cookery . . . . .	22	22	44
Introd. to Commun. Health . . . . .	22		22		110	110	220
Nursing Arts I . . . . .	22	11	33	Ward Practice . . . . .	18 hours weekly		
Posture . . . . .	3	8	11				
Prof. Adj. I . . . . .	11		11				
	<hr/>	<hr/>	<hr/>				
	195	104	298				

Physical Education 2 hours a week the first and second quarter.

<i>Spring Quarter</i>				<i>Summer Quarter</i>	
	Lect., Class	Lab.	Total		
Nursing Arts III. . . . .	33	33	66	Vacation . . . . .	2 weeks
Nursing Care Plan. . . . .	6	5	11	Ward Practice . . . . .	8 hours daily
Physical Therapy . . . . .	4	12	16		
Adv. Materia Medica . . . . .	33		33		
Dietetic Therapy . . . . .	44		44		
	<hr/>	<hr/>	<hr/>		
	120	50	170		

SECOND YEAR

*Autumn Quarter*

*Winter Quarter*

	Hours	
	Lect., Class	Total
Pathology .....	22	22
Medicine .....	33	33
Surgery .....	33	33
Oper. Rm. Tech. ...	11	11
Orthopedics .....	22	22
	<hr/>	<hr/>
	121	121

	Hours	
	Lect., Class	Total
Gynecology .....	22	22
Urology .....	22	22
Special Therapeutics.	22	22
Communicable Diseases .....	33	33
	<hr/>	<hr/>
	99	99

*Spring Quarter*

*Summer Quarter*

	Hours	
	Lect., Class	Total
Applied Psych. ....	22	22
Ear, Nose, & Throat	22	22
Sociology .....	33	33
	<hr/>	<hr/>
	77	77

Vacation .....	4 weeks
Ward Practice .....	8 hours daily

THIRD YEAR

*Autumn Quarter*

*Winter Quarter*

	Hours	
	Lect., Class	
Obstetrics .....	44	
Pediatrics .....	44	
	<hr/>	
	88	

	Hours	
	Lect., Class	
Psychiatry .....	33	
Eye .....	11	
Dermatology .....	11	
Senior Demonstration .....	11	
	<hr/>	
	66	

*Spring Quarter*

*Summer Quarter*

	Hours	
	Lect., Class	
Prof. Adj. II .....	22	
Preventive Med. & Public Health .....	22	
Social Service .....	22	
	<hr/>	
	66	

Vacation .....	4 weeks
Ward Practice .....	8 hours daily



THE SCHOOL OF FORESTRY

1939-1940

ANNOUNCEMENTS FOR 1940-1941

## CALENDAR

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1940

- May 31. Friday—Field work begins in Surveying (C. E. S110) required of students entering School of Forestry.
- June 21. Friday—Field work begins in Forest Surveying (For. S150).
- July 4. Thursday—Independence Day: a holiday.
- July 26. Friday—Field work begins in Forest Mensuration (For. S151).
- Sept. 17. Tuesday—Student conferences with School of Forestry Faculty.
- Sept. 18. Wednesday—Registration of students in the School of Forestry.
- Sept. 19. Thursday—Instruction begins in the School of Forestry.
- Sept. 19-21. Thursday, Friday, Saturday—Registration of students in the Graduate School.
- Oct. 15. Tuesday—Last day for submitting thesis subjects for Master of Forestry and Doctor of Forestry degrees.
- Nov. 28. Thursday—Thanksgiving Day: a holiday.
- Dec. 11. Wednesday—Duke University Day.
- Dec. 20. Friday, 1:00 P.M.—Christmas recess begins.

1941

- Jan. 3. Friday, 8:00 A.M.—Instruction is resumed.
- Jan. 24. Friday—School of Forestry mid-year examinations begin.
- Jan. 31. Friday—Registration of students in the School of Forestry.
- Feb. 1. Saturday—Second semester begins.
- March 22. Saturday, 1:00 P.M.—Spring vacation begins. School of Forestry field trip begins.
- March 31. Monday, 8:00 A.M.—Instruction is resumed.
- April 7. Monday, 8:00 A.M.—School of Forestry field trip ends.
- May 1. Thursday—Last day for submitting Doctor of Forestry theses.
- May 15. Thursday—Last day for submitting Master of Forestry theses.
- May 22. Thursday—School of Forestry final examinations begin.
- May 31. Saturday—Commencement opens; Senior Class Day; meeting of the Board of Trustees.
- June 1. Sunday—President's Address to Graduating Class; Commencement Sermon.
- June 2. Monday—Commencement Address; Alumni-Alumnae Luncheon; Graduating Exercises; Lowering of the Flag by the Graduating Class.

## OFFICERS OF ADMINISTRATION

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WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.

*President*

ROBERT LEE FLOWERS, A.M., LL.D.

*Vice-President in the Business Division, Secretary and Treasurer*

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.

*Vice-President in the Educational Division and Dean of the University*

FRANK CLYDE BROWN, A.B., A.M., Ph.D.

*Comptroller*

CHARLES BLACKWELL MARKHAM, A.B., A.M.

*Assistant Treasurer*

CLARENCE FERDINAND KORSTIAN, B.S.F., M.F., M.A., Ph.D.

*Dean of the School of Forestry*

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### ADMINISTRATIVE COMMITTEE OF THE SCHOOL OF FORESTRY

W. P. FEW, *President*

R. L. FLOWERS, *Secretary and Treasurer*

C. F. KORSTIAN, *Dean*

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### COMMITTEE OF THE BOARD OF TRUSTEES ON THE SCHOOL OF FORESTRY

H. R. DWIRE, W. W. FLOWERS, M. E. NEWSOM



## GENERAL STATEMENT

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Forestry in Duke University began early in 1931 when, through placing the Duke Forest under intensive management for forestry purposes, a substantial beginning was made in laying the foundations for educational work and research in forestry.

A pre-forestry curriculum, designed for students intent upon pursuing the study of forestry, particularly as a profession after graduation, was organized in Trinity College of Duke University in 1932 (see *Announcement on Undergraduate Instruction in Duke University*). This four-year course of study provides only for instruction in fundamental and auxiliary subjects basic to a proper understanding of the highly specialized work in technical forestry. Duke University offers no professional degree in technical forestry available to undergraduates.

Training in technical forestry leading to the professional degrees, Master of Forestry and Doctor of Forestry, is offered in the School of Forestry, and is open to all graduates of the pre-forestry curriculum in Trinity College and to graduates of recognized scientific schools or colleges, universities, and professional schools of forestry.

Duke University is also prepared to offer, through the Graduate School of Arts and Sciences, graduate work in the more scientific aspects of forestry leading to the Master of Arts and Doctor of Philosophy degrees. This work is available to graduates of schools of forestry of recognized standing, and to college or university graduates holding the Bachelor's degree with their major work in appropriate scientific subjects. Undergraduate subjects which the college student, who does not have forestry training but who is contemplating work toward either degree in forestry, should take in preparation for this work may be illustrated as follows: at least two full years in botany, including general morphology or anatomy, the taxonomy, physiology, and ecology of plants; at least one course in zoology or general biology; courses in chemistry, physics, geology, economics, mathematics; and at least two years of French or German.

Several staff members of the Appalachian Forest Experiment Station are engaged in co-operative research projects in the Duke Forest. Specialists from this station and other prominent members of the U. S. Forest Service and representatives of forest and wood-using industries give occasional scheduled lectures at the School.

### EDUCATIONAL FACILITIES

The School of Forestry is located partly in Few Quadrangle and partly in the Biology Building along with the Departments of Botany and Zoology. The administrative offices, two classrooms, and the forest mensuration and statistical laboratory are in Few Quadrangle, while

other laboratories and offices and the School Library are in the Biology Building. The Biology Building contains, in addition to classrooms, laboratories, and offices, a library, three refrigerated rooms, an incineration room, a workshop, and eight dark-rooms. The School is provided with instruments and tools for use in both field and laboratory work in silvics, silviculture, and forest mensuration. Modern surveying instruments and accessory equipment are available for work in forest surveying.

Laboratories for work in wood anatomy and properties are provided with microtechnique and photomicrographic instruments, wood-working machinery, a Henderson dry kiln, and a 50,000-pound Olsen Universal timber-testing machine. A modern forest soils laboratory equipped for physical and chemical studies is available.

Facilities are also available for advanced work in plant physiology, plant anatomy, plant taxonomy, genetics, plant ecology, plant pathology, and the several branches of zoology. Many rooms in the Biology Building are equipped with vacuum, compressed air, direct and alternating electric current, gas, and running water.

The forestry section of the Library contains a growing collection of material on forestry, soils, and closely related subjects. It includes important books and periodicals in English and in French, German, and certain other foreign languages. The Library is well provided with American material, including Federal and State documents and reports. Over 150 periodicals and serials of importance in forestry and related fields are received by subscription or exchange.

Greenhouses, connected to the Biology Building through a soil-storage and work room, provide adequate space for experimental work.

A nursery has been established by the University for the joint use of the Sarah P. Duke Floral Garden, the Botany Department, and the School of Forestry. The forestry section of this nursery is used mainly for the growing of planting stock for the Arboretum and trees needed for research or other special purposes.

### THE DUKE FOREST

The Duke Forest, located in Durham and Orange counties, North Carolina, consists of three main units; namely, the Durham, New Hope Creek, and Hillsboro divisions. Early in the development of Duke University it was recognized that the possession of such an area offered an unusual opportunity for the development of educational work in forestry.

Situated on the lower Piedmont plateau at elevations ranging from 280 to 650 feet, and composed of second-growth shortleaf and loblolly pines, oak, gum, hickory, maple, yellow poplar, ash, and other hardwoods, the Forest is representative of the various types of timber growth found throughout the region. Over a hundred different species of trees are found within or near the Forest. The land is rolling and there is relatively little rock outcrop, swamp, or other land of low productivity for timber growing. The total area of the Forest proper, exclusive of the University campus, is approximately five thousand acres.

### THE ARBORETUM

A feature which will be of outstanding value in the teaching of both forestry and botany in the future is the provision for development of an arboretum. In their annual meeting on June 4, 1934, the Board of Trustees of Duke University, upon the recommendation of their Forestry Committee, voted to set aside permanently an area of over three hundred acres in the Forest to be used for arboretum purposes. The area lies adjacent to the main University campus immediately across the road from the Chapel.

Through the generosity of Mr. W. W. Flowers, of New York, a member of the Class of 1894 and a Trustee of the University, it has been possible to develop preliminary plans and to make a number of plantings. This is naturally a long-time project, and many years will elapse before the Arboretum will be most useful and most attractive. The University Trustees' Committee on Forestry in their report to the Board refers to the Arboretum as follows:

"The Arboretum should serve as a station for the study of trees and woody plants as individuals and in small groups in their scientific relations, economic properties, and cultural characteristics, requirements, and possibilities. It should render an economic service by acting as a research laboratory where trees and shrubs can be studied from the viewpoint of a fuller utilization of their commercial possibilities. It should render a cultural service by serving as a center where foresters, landscape architects, nurserymen, gardeners, and the general public may increase their knowledge of indigenous trees and shrubs and where they may become acquainted with the foreign species that can be grown here. Within the University the Arboretum will supply living specimens and material for several branches of botany and forestry."

The development of the Arboretum will proceed along these lines as rapidly as available funds and planting stock will permit.

### SCHOLARSHIPS AND FELLOWSHIPS IN FORESTRY

A limited number of graduate scholarships and fellowships are available to men who offer promise of becoming leaders in the forestry profession. These will be available to men of high character and marked scholastic ability, who merit financial aid, as judged by their education, experience, and personal references.

The annual stipend of these scholarships and fellowships ranges from two hundred and fifty dollars (\$250) to seven hundred and fifty dollars (\$750); the exact amount awarded to each successful applicant will vary with his qualifications. Holders of scholarships and fellowships will be expected to pay the tuition fee and such additional fees as are regularly required.

### REQUIREMENTS FOR ADMISSION TO THE SCHOOL OF FORESTRY

The following general requirements of the School of Forestry apply to candidates for the Master of Forestry degree:

Admission to the School of Forestry presupposes that the applicant is either a graduate of a scientific school, college, or university of high standing, but without professional training in forestry; or that he is a graduate of a professional school of forestry of recognized standing. He will present not less than four years of credit of collegiate grade, with at least as many quality-points as hours.<sup>1</sup>

An applicant with no professional training in forestry will present a certified transcript of his academic record showing that he has had conferred upon him a degree in arts, science, or engineering; and that he has satisfactorily completed undergraduate work in minimum amount as follows:

One year of botany, including the morphology, physiology, and identification of plants.

One year each of English and of chemistry.

One course each in physics and in the principles of economics.

Mathematics, through college algebra and trigonometry.

It is urged that an applicant without professional training in forestry present additional credits in the above subjects and in one or more of the following subjects: soils, geology, mineralogy, petrology, climatology, surveying, languages (particularly German and French), sociology, political science, philosophy, psychology, and zoology.

An applicant who is a graduate of a professional school of forestry of recognized standing will present a certified transcript of scholastic record showing the award of a degree. Before registering for the first semester of residence, such applicants will be required to select the branch or branches of forestry in which they wish to concentrate the major part of their work and to prepare their proposed programs in conference with the appropriate faculty advisor.

Students must make application for admission in advance of the opening of the school year. Those students entering without acceptable courses in plane surveying, forest surveying, and forest mensuration must take the twelve weeks of work in these subjects in the Summer School, and are required to submit their applications prior to May 1. Students entering with advanced standing in surveying and forest mensuration should make application before September 1. Application blanks will be sent upon request made to the Dean of the School of Forestry.

#### REQUIREMENTS FOR THE DEGREE OF MASTER OF FORESTRY

The degree of Master of Forestry (M.F.) is conferred upon students who have satisfactorily completed two years of study in technical forestry and one term of twelve weeks' work in plane surveying, forest surveying, and forest mensuration in the Summer School. In addition to the Summer School work a total of not less than sixty semester hours' credit is required for the M.F. degree, of which at least fifty-five shall be obtained

<sup>1</sup> Grades for each hour of college credit and also for credit earned in the School of Forestry are valued in quality-points as follows: A, 3 points; B, 2 points; C, 1 point; D, no points; and F, no credit and -1 point.

in the School of Forestry. Each student must obtain at least as many quality points as semester hours' credit under the quality-point system described in footnote 1 of the preceding section.

A two weeks' field trip to typical timber-harvesting, manufacturing, and other forestry operations in the South is conducted by the School and is required as a part of the work in Forest Products Industries (Forestry 212). Other students in the School of Forestry may be permitted to take this trip as opportunities will be available for special work and observations in other branches of forestry in forest types not represented in the Duke Forest.

No student may take less than fifteen or more than eighteen hours in any one semester without special permission of the School of Forestry Faculty. The following work will be required of all candidates for the M.F. degree:

#### SUMMER SCHOOL

	S.H.
Plane Surveying (C. E. S110).....	3
Forest Surveying (F. S150).....	5
Forest Mensuration (F. S151).....	4

#### FIRST YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
Harvesting Forest Products (F. 211) .....	3	Forest Products Industries (F. 212) .....	3
Forest Entomology (F. 231) .....	3	Forest Pathology (F. 224) .....	4
Sampling Methods (F. 251) .....	2	Dendrology (F. 254) .....	2
Dendrology (F. 253) .....	2	Silvics (F. 264) .....	3
Wood Anatomy & Properties (F. 259) .....	3	Electives .....	
Forest Soils (F. 261) .....	3		

#### SECOND YEAR

Silviculture (F. 265) .....	5	Forest Valuation (F. 282) .....	3
Forest Economics (F. 279) .....	3	Seminar (F. 292) .....	1
Forest Management (F. 281) .....	4	Thesis .....	
Thesis .....		Electives .....	
Electives .....			

Each candidate is required to file in the office of the Dean of the School of Forestry on or before May 15 three copies of a thesis, typewritten and bound in accordance with regulations set forth by the Faculty. The thesis shall be based upon an original study made in the field, laboratory, or library.

Work of equivalent grade done in residence at recognized schools of forestry may, with the approval of the Faculty, be accepted as credit toward the M.F. degree. A minimum of one year's residence is required at Duke University. Students who have had satisfactory undergraduate



training in forestry may, with the approval of the Faculty, elect to devote the major portion of their time to research under the supervision of one or more members of the Faculty and prepare a more comprehensive thesis than is required of students entering the School without previous work in forestry. Students in the School of Forestry may take in allied departments of the University as electives certain courses approved by the Faculty.

## REQUIREMENTS FOR THE DEGREE OF DOCTOR OF FORESTRY

### THE DEGREE

The degree of Doctor of Forestry is a research degree. It is based primarily upon evidence of high attainments in a special field of forestry knowledge and upon the production of a thesis embodying the results of original research. It is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses.

A student who plans to enter upon a program of work leading to the degree of Doctor of Forestry should consult or enter into correspondence with the Dean of the School of Forestry. He will then be advised as to the possibility of obtaining the necessary instruction and supervision of research in the special field desired.

### RESIDENCE

The normal period of resident graduate study, following satisfaction of the general requirements for admission to the Duke School of Forestry, is a minimum of two academic years after the student has obtained the graduate professional degree of Master of Forestry, or its equivalent. At least one of these two years of graduate study must be spent in actual residence at Duke University. With the approval of the Faculty of the School of Forestry work of equal grade done in residence at another college or university, or at a research station or institute not connected with a college or university, may be accepted toward a Doctor of Forestry degree. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, research station, or institute. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may be required to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

Credit for one year of work done in regular sessions of the Summer School at Duke University may be given with the approval of the School of Forestry Faculty. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work completed many years before the student becomes a candidate for the degree at



Duke University, will not be accepted as satisfying the requirements of residence.

#### APPLICATION FOR CANDIDACY

No student will be admitted as a candidate for the degree of Doctor of Forestry until he has obtained the professional graduate degree of Master of Forestry or its equivalent, either at Duke University or at a professional school of forestry of recognized standing. A student desiring to become a candidate for the Doctor of Forestry degree is ordinarily required to file with the Dean of the School of Forestry, at the beginning of his graduate work toward this degree, a formal application indicating in which field and under what professor he proposes to carry on research. A committee of the Faculty will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major field have been satisfied, the chairman of the committee will report the fact in writing to the Dean of the School of Forestry. In the case of students who come to Duke University for only the last year of graduate work, and in special cases approved by the School of Forestry Faculty, the application for recognition as a candidate for the Doctor of Forestry degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

#### PROGRAM OF STUDY

The program of study of a candidate for the Doctor of Forestry degree will be arranged after consultation with the committee provided for in the preceding section and is subject to the approval of the Dean and Faculty of the School of Forestry. The student must select a major field and one or two minor related fields. Both major and minor may be selected in different branches of forestry or the minor may be taken in a related field in some other school or department of Duke University.

#### FOREIGN LANGUAGES

A reading knowledge of two foreign languages is required. One language shall be either French or German, and the other optional to fit the requirements of the student's problem. No student can come up for his preliminary examination before having satisfied the language requirements for the Doctor's degree. Foreign language examinations are conducted by the appropriate language department, or in special cases, by a qualified member of the Faculty of Duke University.

#### PRELIMINARY EXAMINATION

Toward the end of the first full year of graduate work for the Doctor of Forestry degree (or in special cases early in the second year), a preliminary examination of each candidate will ordinarily be held covering the general field of his studies. This examination will be conducted by the committee in charge of the student's work and will be written. A student who passes the examination will be recognized as a candidate for

the Doctor of Forestry degree. A student's major and minor subjects will ordinarily be included in this preliminary examination.

If a student fails on his first examination, he may make a second attempt after six months upon recommendation of his committee and the approval of the Dean of the School of Forestry. Two failures on this examination make the student ineligible to continue work toward the Doctor of Forestry degree at Duke University.

#### THESIS

The thesis for the Doctor of Forestry degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the School of Forestry on or before October 15 of the academic year in which the candidate desires to take the final examination for his degree. The subject must receive the written approval of the professor under whom the thesis is being written and of the Dean of the School of Forestry. The thesis must be completed to the satisfaction of the major professor. Four typewritten copies in approved form must be deposited with the Dean of the School of Forestry on or before May 1 if the student desires to be examined on the thesis in the same academic year. The title page must be approved by the Dean of the School of Forestry. Two of the copies, the original and a carbon copy, are placed in the School of Forestry library, one copy goes to the major advisor, and one is returned to the student.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the School of Forestry and the committee in charge of the candidate's work.

#### FINAL EXAMINATION

The final examination will be on the thesis and on related subject matter and will be oral. Approximately one year must elapse between the dates of the preliminary examination and the final examination, except in special cases approved by the School of Forestry Faculty. Two failures on this examination make a student ineligible to continue work toward the Doctor of Forestry degree at Duke University. The second examination may be given only upon the recommendation of the professor in charge of the thesis and the approval of the Dean of the School of Forestry.

#### GRADING

Members of the Faculty are expected to report grades of graduate students to the School of Forestry Office not later than February 15 for the first semester and not later than June 15 for the second semester on the cards provided for that purpose. An average grade of "B" or better will be required for all work, beyond that for the degree of Master of Forestry, that is to be credited toward the Doctor of Forestry degree. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in which his standing is generally satisfactory. Unless a report is made

within one year that the work has been satisfactorily completed, all credit will be lost.

### FORESTRY IN THE GRADUATE SCHOOL

Graduate work toward the Master of Arts and Doctor of Philosophy degrees in the more scientific branches of forestry is available to adequately prepared students at Duke University. This work is given through the Division of Forestry of the Graduate School of Arts and Sciences by certain members of the School of Forestry Faculty.

The following special conditions will influence the acceptance of students for graduate study in forestry: The student must have received a degree from a professional school of forestry of recognized standing or from an approved college or university. Graduates of professional schools of forestry must also have had adequate training in liberal arts and sciences, approximating 86 semester hours, before being admitted to candidacy for the Master of Arts or Doctor of Philosophy degrees. College graduates who have had specialized training in botany or soil science and in allied basic subjects, such as physics, chemistry, geology, and zoology, may pursue graduate study and research only in the specialized fields for which their previous work has qualified them.

The Forestry Staff will determine whether a student is qualified to pursue graduate study in any of the special fields of forestry in which work is available.

The Master of Arts and Doctor of Philosophy degrees are attained through scientific work rather than technical or professional training in forestry. Work for these degrees may be pursued only in forest-tree physiology, wood anatomy and properties, forest pathology, forest entomology, silvics, forest soils, forest mensuration, forest management, and forest economics, except that a major cannot be taken in forest management. A student upon registration chooses a field of study which may lie in two or more departments. The members of the Graduate School Faculty best qualified in that field are named as the student's advisory committee, regardless of the department of which they are members. This committee will advise the student in the planning and conduct of his work and will evaluate it when completed.

A reading knowledge of French and German must be acquired early in the course of graduate study in forestry because much of the forestry literature of the world is written in or has summaries in these languages. For the Ph.D. degree the language requirement must be met before the preliminary examination is taken and usually before the preparation of the thesis is begun.

The length of time required for a student to obtain the Master of Arts and Doctor of Philosophy degrees in forestry is determined by the character of his previous work and by the quality of his work in the Graduate School. Upon the recommendation of the Forestry Staff and with the approval of the Council on Graduate Instruction, work of equal grade done in residence at another college or university, or at a research

station or institute not connected with a college or university, may be accepted toward a Ph.D. degree, but at least the last year or the first two years of graduate study must be spent in actual residence at Duke University. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, or research station.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

The field of study may include advanced work in allied subjects as well as advanced work in forestry. The student should have covered, however, most of the basic subjects prior to entering the Graduate School. The required advanced work will depend upon the student's previous training and the special field of study selected. Before beginning his work the student must obtain approval of his proposed program of study, including the plans for the research for his thesis. Courses of study must be correlated with each other and with the thesis research.

For further information on requirements for admission to the Graduate School of Arts and Sciences and on the general requirements for the Master of Arts and Doctor of Philosophy degrees reference should be made to the *Bulletin of the Graduate School of Arts and Sciences*.

## COURSES OF INSTRUCTION

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*This is a condensed description of courses. For a full description, see Bulletin of the School of Forestry.*

### IN THE SUMMER SCHOOL

C.E. S110. Plane Surveying.—3 s.h.

PROFESSORS BIRD AND W. H. HALL AND MR. WILLIAMS

S150. Forest Surveying.—Prerequisites: Civil Engineering, S110, Plane Surveying, or equivalent. 5 s.h. ASSOCIATE PROFESSOR MAUGHAN

S151. Forest Mensuration.—4 s.h.

PROFESSOR SCHUMACHER

### FOR SENIORS AND GRADUATES

211. Harvesting Forest Products.—3 s.h.

PROFESSOR WACKERMAN

212. Forest Products Industries.—Prerequisite: Forestry 211 or equivalent. 3 s.h. PROFESSOR WACKERMAN

213. Seasoning and Preservation of Wood.—Prerequisite: Forestry 259 or equivalent. 3 s.h. PROFESSOR WACKERMAN

214. Marketing Forest Products.—Prerequisites: Forestry 211 and 212, or equivalents. 3 s.h. PROFESSOR WACKERMAN

224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. 4 s.h. PROFESSOR WOLF

231. Forest Entomology.—3 s.h.

PROFESSOR BEAL

236. Forest Game Management.—3 s.h.

PROFESSOR BEAL

251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. 2 s.h. PROFESSOR SCHUMACHER

252. Forest Mensuration.—Prerequisite: Forestry 251. 2 s.h.

PROFESSOR SCHUMACHER

253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.

ASSOCIATE PROFESSOR HARRAR

256. Wood Pulp and Pulp Products.—Prerequisites: Forestry 212 and 259, or equivalent. 3 s.h. ASSOCIATE PROFESSOR HARRAR

257. Design of Forestry Experiments and Analysis of Data.—5 s.h.

PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Prerequisites: One year of Botany and Chemistry 1 and 2, or equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR

260. Timber Mechanics.—Prerequisites: Physics 1 and Forestry 259, or equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR

261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. 3 s.h. ASSISTANT PROFESSOR COILE



264. **Silvics.**—Desirable prerequisites: Plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. 3 s.h. PROFESSOR KORSTIAN
265. **Theory and Practice of Silviculture.**—Prerequisite: Forestry 264 or equivalent. 5 s.h. PROFESSOR KORSTIAN
266. **Forest Seeding and Planting.**—2 s.h. PROFESSOR KORSTIAN
273. **Forest Protection.**—2 s.h. ASSOCIATE PROFESSOR THOMSON
276. **Forest Policy.**—2 s.h. ASSOCIATE PROFESSOR THOMSON
279. **Economics of Forestry.**—Prerequisite: at least one course in the principles of economics. 3 s.h. ASSOCIATE PROFESSOR THOMSON
281. **Forest Management.**—Prerequisites: Forestry S150, S151, and 251, or equivalents. 4 s.h. ASSOCIATE PROFESSOR MAUGHAN
282. **Forest Valuation.**—Prerequisite: Forestry 281 or equivalent. 3 s.h. ASSOCIATE PROFESSOR MAUGHAN
292. **Seminar.**—1 s.h. THE STAFF
- 211A to 282A. **Special Studies in Forestry.**—Credits and hours to be arranged. THE STAFF

## FOR GRADUATES

- 301-302. **Advanced Studies in Forestry.**—Credits to be arranged.
- a. **Silvics.**—Prerequisites: Forestry 253-254, 261, and 264, or equivalents. PROFESSOR KORSTIAN
- b. **Forest Soils.**—Prerequisite: Forestry 261 or equivalent. ASSISTANT PROFESSOR COILE
- c. **Silviculture.**—Prerequisite: Forestry 265 or equivalent. PROFESSOR KORSTIAN
- d. **Forest Management.**—Prerequisite: Forestry 281 or equivalent. ASSOCIATE PROFESSOR MAUGHAN
- e. **Forest Economics.**—Prerequisite: Forestry 279 or equivalent. ASSOCIATE PROFESSOR THOMSON
- f. **Wood Anatomy and Properties.**—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR
- g. **Forest Mensuration.**—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER
- h. **Forest Entomology.**—Prerequisite: Forestry 231 or equivalent. PROFESSOR BEAL
- i. **Forest Utilization.**—Prerequisites: Forestry 211 and 212, or equivalents. PROFESSOR WACKERMAN
- j. **Dendrology.**—Prerequisite: Forestry 253-254 or equivalent. ASSOCIATE PROFESSOR HARRAR
311. **Advanced Forest Utilization.**—Prerequisite: Forestry 211 or equivalent. 2 s.h. PROFESSOR WACKERMAN



323-324. **Advanced Forest Pathology.**—Prerequisites: plant physiology and forest pathology. Credits to be arranged. PROFESSOR WOLF

351-352. **Advanced Physiology of Forest Trees.**—Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged.

ASSOCIATE PROFESSOR KRAMER

354. **Forest Soil Fertility.**—Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. 3 s.h. ASSISTANT PROFESSOR COILE

356. **Economic Forces in Forestry.**—Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. 2 s.h.

ASSOCIATE PROFESSOR THOMSON

357-358. **Research in Forestry.**—Credits to be arranged. Prerequisites same as courses 301-302. THE STAFF

## FEES AND EXPENSES

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The following tables show the general fees and charges collected from all students and the special fees collected from those taking laboratory courses. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

### GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00

### SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research in the summer under direction of a member of the Faculty. Special laboratory and materials fees in forestry are as follows:

Forestry 224, 253-254, 259, 260, 264, 357a, and 358a.....	\$2.50
Forestry 261, 351, 352, 354, 357b, and 358b.....	\$2.50 to \$5.00

### TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one transcript of his record. A charge of one dollar is made for each additional copy.

### PAYMENTS TO FELLOWS AND SCHOLARS

Payments by the University of stipends to fellows and scholars are made in four installments, on November 25, January 25, March 25, and May 25. Fellows and scholars are required to pay the regular tuition fee and such additional fees as are ordinarily required of graduate students.



# THE SUMMER SCHOOL

1940

First Term: June 12 to July 23

Second Term: July 25 to Sept. 3

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## JUNALUSKA SCHOOL OF RELIGION

(AFFILIATED WITH DUKE UNIVERSITY)

July 15 to August 24

## OFFICERS OF ADMINISTRATION

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WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., Ed.D.,  
LL.D., L.H.D.,

PRESIDENT OF DUKE UNIVERSITY

ROBERT LEE FLOWERS, A.M., LL.D.,

VICE-PRESIDENT OF DUKE UNIVERSITY AND MEMBER OF THE FACULTY  
COMMITTEE ON THE SUMMER SCHOOL

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.,

VICE-PRESIDENT OF DUKE UNIVERSITY AND MEMBER OF THE FACULTY  
COMMITTEE ON THE SUMMER SCHOOL

HOLLAND HOLTON, A.B., J.D.,

DIRECTOR OF THE SUMMER SCHOOL AND CHAIRMAN OF THE FACULTY  
COMMITTEE ON THE SUMMER SCHOOL

ARTHUR MARCUS PROCTOR, A.B., A.M., Ph.D.,

ASSOCIATE DIRECTOR OF THE SUMMER SCHOOL

WILLIAM THOMAS LAPRADE, A.B., Ph.D.,

MEMBER OF THE FACULTY COMMITTEE OF THE SUMMER SCHOOL

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D.,

DEAN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ALICE MARY BALDWIN, A.B., A.M., Ph.D.,

DEAN OF THE WOMAN'S COLLEGE

WALTER KIRKLAND GREENE, A.B., A.M., Ph.D.,

DEAN OF UNDERGRADUATE INSTRUCTION

MARY GRACE WILSON, A.B.,

SOCIAL DIRECTOR AND ACTING DEAN OF WOMEN

FLORA MARIE MEREDITH, A.B., A.M.,

(Dean of Women, Hendrix College, Arkansas),  
ASSISTANT DEAN OF WOMEN (in charge of East Campus)

KESTLER, MARY IRENE, A.B., A.M.,

SOCIAL DIRECTOR AND ACTING DEAN OF WOMEN (Second Term)

## FACULTY OF THE SUMMER SCHOOL

---

- ADAMS, DONALD KEITH; A.B., Pennsylvania State College; A.M., Harvard; Ph.D., Yale; PSYCHOLOGY (Duke University).
- BERRY, EDWARD WILLARD; A.B., Ph.D., Johns Hopkins; GEOLOGY (Duke University).
- BIGELOW, LUCIUS AURELIUS; B.S., Massachusetts Institute of Technology; Ph.D., Yale; CHEMISTRY (Duke University).
- BIRD, HAROLD CRUSIUS; Ph.B., C.E., Yale; CIVIL ENGINEERING (Duke University).
- BLACKBURN, WILLIAM MAXWELL; A.B., Furman; B.A., M.A., Oxford; Yale, 1921-22, 1930-31; ENGLISH (Duke University).
- BLOMQUIST, HUGO LEANDER; B.S., University of Chicago; Pasteur Institute, 1919; Ph.D., University of Chicago; BOTANY (Duke University).
- CANNON, JAMES, III; A.B., Duke; A.M., Princeton; Th.B., Th.M., Princeton Theological Seminary; Edinburgh University, 1919; Garrett, 1924; D.D., Birmingham-Southern College; RELIGION (Duke University).
- CARLITZ, LEONARD; A.B., Ph.D., University of Pennsylvania; MATHEMATICS (Duke University).
- CARR, JOHN WINDER, JR.; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- CARROLL, EBER MALCOLM; A.B., A.M., Ph.D., University of Michigan; HISTORY (Duke University).
- CHILDS, BENJAMIN GUY; A.B., A.M., University of Virginia; University of Virginia, 1921-22; EDUCATION (Duke University).
- CLYDE, PAUL HIBBERT; A.B., A.M., Ph.D., Stanford; HISTORY (Duke University).
- COWPER, FREDERICK AUGUSTUS GRANT; A.B., A.M., Trinity College (Conn.); University of Strassburg, 1906-07; University of Geneva, 1907-08; Ph.D., University of Chicago; FRENCH (Duke University).
- CUNNINGHAM, BERT; B.S., M.S., Illinois Wesleyan; A.M., Duke; Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- ELLIOTT, WILLIAM WHITFIELD; B.A., Hampden-Sydney College; M.A., University of Kentucky; Ph.D., Cornell; MATHEMATICS (Duke University).
- ELLWOOD, CHARLES ABRAM; Ph.B., Cornell; Ph.D., University of Chicago; LL.D., Bethany College; SOCIOLOGY (Duke University).
- GARDINER, ANN HENSHAW; R.N.; Grad. Shepherd Normal School (W. Va.); B.S., Columbia; University of Washington Medical School of Hygiene, 1924-25; M.S., Kansas State College; HYGIENE (Duke University).
- GERGEN, JOHN JAY; A.B., A.M., University of Minnesota; Ph.D., Rice Institute; MATHEMATICS (Duke University).



- GILBERT, ALLAN H.; B.A., Cornell; A.M., Yale; Ph.D., Cornell; ENGLISH (Duke University).
- GOHDES, CLARENCE; A.B., Capital; A.M., Ohio State University; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- GRAY, IRVING EMERY; B.S., Massachusetts State College; M.S., Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- HALL, FRANK GREGORY; A.B., Milton College; A.M., Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- HALL, WILLIAM HOLLAND; A.B., A.M., Duke; B.C.E., University of Michigan; M.S.C.E., University of Wisconsin; ENGINEERING (Duke University).
- HUBBELL, JAY BROADUS; A.B., University of Richmond; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- IRVING, WILLIAM HENRY; B.A., Mt. Allison University; B.A., M.A., Oxford; Ph.D., Harvard; ENGLISH (Duke University).
- JORDAN, BRADY RIMBEY; Litt.B., Princeton; Ph.D., University of Wisconsin; FRENCH (Duke University).
- KRUMMEL, CHARLES ALBERT; Ph.B., Central Wesleyan College; Ph.M., Syracuse; Ph.D., University of Wisconsin; University of Marburg, 1910; GERMAN (Duke University).
- LANNING, JOHN TATE; A.B., Duke; A.M., University of California; University of London, 1926-27; Ph.D., University of California; HISTORY (Duke University).
- LAPRADE, WILLIAM THOMAS; A.B., Washington Christian College; Ph.D., Johns Hopkins; HISTORY (Duke University).
- LUNDEBERG, OLAV K.; A.B., St. Olaf College; A.M., Ph.D., University of Minnesota; Université of Montpellier, 1918; Centro de Estudios Históricos, Madrid, 1929; SPANISH (Duke University).
- MAUGHAN, WILLIAM; B.S., University of Minnesota; M.F., Yale; FORESTRY (Duke University).
- MITCHELL, FRANK KIRBY; A.B., Millsaps; A.M., University of Michigan; Oriel College, Oxford, 1921-24; ENGLISH (Duke University).
- MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston University; RELIGION (Duke University).
- NIELSEN, WALTER MCKINLEY; B.S., Ph.D., University of Minnesota; PHYSICS (Duke University).
- PATTON, LEWIS; A.B., Furman; Ph.D., Yale; ENGLISH (Duke University).
- PEARSE, ARTHUR SPERRY; B.S., A.M., University of Nebraska; Ph.D., Harvard; ZOOLOGY (Duke University).
- PROCTOR, ARTHUR MARCUS; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- RANKIN, ROBERT STANLEY; A.B., Tusculum College; A.M., Ph.D., Princeton; POLITICAL SCIENCE (Duke University).

- RANKIN, WILLIAM WALTER; B.E., North Carolina State College of Agriculture and Engineering; A.M., University of North Carolina; Harvard, 1914-15; Columbia, 1919-21; MATHEMATICS (Duke University).
- SCATES, DOUGLAS EDGAR; A.B., Whitworth; Ph.D., University of Chicago; EDUCATION (Duke University).
- SCHUMACHER, FRANCIS X.; B.S., University of Michigan; FORESTRY (Duke University).
- SMITH, HILRIE SHELTON; A.B., Elon College; Ph.D., Yale; D.D., Defiance College; RELIGIOUS EDUCATION (Duke University).
- SPENGLER, JOSEPH JOHN; A.B., A.M., Ph.D., Ohio State University; ECONOMICS (Duke University).
- THOMAS, JOSEPH MILLER; A.B., Ph.D., University of Pennsylvania; MATHEMATICS (Duke University).
- WALTON, LORING BAKER; A.B., Princeton; Harvard, 1917-18; Lic. ès L., Sorbonne; FRENCH (Duke University).
- WEBB, ALBERT MICAJAH; A.B., A.M., Yale; Sorbonne (Paris) and Madrid, 1907-08; Sorbonne, 1923; FRENCH (Duke University).
- WILSON, ROBERT NORTH; A.B., Haverford College; M.S., University of Florida; Harvard, 1905-06; University of Illinois, 1923-24; Yale, 1931-32; CHEMISTRY (Duke University).
- WILSON, ROBERT RENBERT; A.B., Austin College; A.M., Princeton; Ph.D., Harvard; POLITICAL SCIENCE (Duke University).
- ZENER, KARL EDWARD; Ph.B., University of Chicago; A.M., Ph.D., Harvard; National Research Fellow in Psychology, University of Berlin, 1926-27; PSYCHOLOGY (Duke University).
- 
- ADDOMS, RUTH MARGERY; A.B., A.M., Wellesley College; Ph.D., University of Wisconsin; BOTANY (Duke University).
- ALLEN, DONALD CAMERON; A.B., University of Illinois; A.M., Washington University; Ph.D., University of Illinois; ENGLISH (Duke University).
- AYCOCK, THOMAS MALCOLM; B.S., Oklahoma State College; M.S., University of Iowa; HEALTH EDUCATION (Duke University).
- BLACK, MARTIN LEE, JR.; A.B., Duke; M.B.A., Northwestern; C.P.A., Illinois and North Carolina; ACCOUNTING (Duke University).
- BOND, GEORGE WILLIAM; B.S., University of Arkansas; A.M., University of Chicago; Ph.D., Columbia; EDUCATION (Southeastern Louisiana College).
- BRIDGERS, FURMAN ANDERSON; A.B., Duke; A.M., University of Chicago; University of Chicago, 1928-29, 1933; FRENCH (Duke University).
- BROWN, HERBERT R.; B.S., Lafayette College; A.M., Harvard; Ph.D., Columbia; ENGLISH (Bowdoin College).
- CALLCOTT, WILFRID HARDY; A.B., Southwestern; A.M., Ph.D., Columbia; HISTORY (University of South Carolina).
- CARPENTER, DAVID WILLIAMS; A.B., A.M., Ph.D., Duke; PHYSICS (Duke University).
- CURTIS, KADER RANDOLPH; B.A., Wake Forest College; M.Ed., Duke; EDUCATION (Superintendent of Wilson County Schools).

- DAVIS, GIFFORD; A.B., Bowdoin College; A.M., Ph.D., Harvard; SPANISH (Duke University).
- DOLCH, EDWARD WILLIAM; A.B., Washington University; A.M., University of Wisconsin; Ph.D., University of Illinois; EDUCATION (University of Illinois).
- EASLEY, HOWARD; A.B., Union University, Tenn.; A.M., Ph.D., George Peabody College; EDUCATIONAL PSYCHOLOGY (Duke University).
- EITEMAN, WILFORD J.; A.B., A.M., Ohio Wesleyan University; Ph.D., Ohio State University; ECONOMICS (Duke University).
- ELLIS, HAROLD MILTON; B.A., M.A., University of Maine; A.M., Ph.D., Harvard; ENGLISH (University of Maine).
- EVANS, JAMES WALTER; B.S., M.S., Kansas State Teachers College; Ph.D., University of Iowa; EDUCATION (Director of Instruction and Research, St. Joseph, Mo., Schools).
- FOWLKES, JOHN GUY; A.B., Ouachita College; A.M., Ph.D., Columbia; EDUCATION (University of Wisconsin).
- GAMBLE, GUY C.; B.S., Ph.D., Columbia; EDUCATION (Economic Consultant, T. N. E. C., Federal Trade Commission, Washington, D. C.).
- GODARD, JAMES MCFATE; A.B., Park College; A.M., Duke; Duke, 1930-31, 1932-36; EDUCATION (Queens College).
- GOLDTHORPE, J. HAROLD; A.B., Hamline University; A.M., Ph.D., University of Minnesota; EDUCATION (Research Staff, American Council on Education).
- GRIGGS, EARL LESLIE; B.A., University of Colorado; A.M., Columbia; Ph.D., University of London; ENGLISH (University of Pennsylvania).
- GWYNN, JOHN MINOR; A.B., A.M., University of North Carolina; Ph.D., Yale; EDUCATION (University of North Carolina).
- GWYNN, PRICE HENDERSON, JR.; A.B., A.M., University of North Carolina; B.D., Yale Divinity School; Ph.D., Yale; EDUCATION (Davidson College).
- HART, JAMES; A.B., A.M., University of Virginia; Ph.D., Johns Hopkins University; POLITICAL SCIENCE (University of Virginia).
- HAUSER, CHARLES ROY; B.S., M.S., University of Florida; Ph.D., University of Iowa; CHEMISTRY (Duke University).
- HAWKES, EVELYN JONES; A.B., A.M., Duke; Ph.D., University of Pennsylvania; SECONDARY EDUCATION (New Jersey College for Women).
- HIGHSMITH, JOHN HENRY; A.B., A.M., Duke; Columbia, 1904-06; LL.D., Catawba College; D.Ed., Wake Forest College; PUBLIC SCHOOL ADMINISTRATION (Director, Division of Instructional Service, North Carolina State Department of Public Instruction).
- HILLMAN, JAMES ELGAN; B.Ped., Berea College; B.S., A.M., Ph.D., George Peabody College; EDUCATION (Director of Professional Service, North Carolina State Department of Public Instruction).
- HOLSOPPLE, JAMES QUINTER; B.S., Ph.D., Johns Hopkins; National Fellow, Johns Hopkins; EDUCATIONAL PSYCHOLOGY (Chief Psychologist, New Jersey State Hospital).
- HOWARD, GEORGE; A.B., Davidson College; A.M., Ph.D., Columbia; EDUCATION (Supervisor Secondary School, Panama Canal Zone).

- HUGHES, MERRITT YERKES; A.B., Boston University; M.A., Edinburgh University; Ph.D., Harvard; ENGLISH (University of Wisconsin).
- HURLEY, LEONARD BURWELL; A.B., A.M., Duke; University of Chicago; Columbia, 1922; Ph.D., University of North Carolina; ENGLISH (Woman's College of University of North Carolina).
- JERNIGAN, CHARLTON CONEY; A.B., A.M., Ph.D., Duke; GREEK LITERATURE (Womans College of University of North Carolina).
- LEMERT, BEN FRANKLIN; B.S.E., M.S., Ohio State University; Ph.D., Columbia; ECONOMICS (Duke University).
- LOWERY, MILLARD LESLIE; A.B., A.M., Denison College; A.M., Columbia; Ph.D., University of Pennsylvania; EDUCATION (Superintendent of Middlesex County, N. J., Schools).
- MABBOTT, THOMAS OLLIVE; A.B., Ph.D., Columbia; ENGLISH (Hunter College).
- MABRY, WILLIAM ALEXANDER; A.B., A.M., Duke; A.M., Harvard; Ph.D., Duke; HISTORY (Mount Union College).
- MANCHESTER, ALAN KREBS; A.B., Vanderbilt; A.M., Columbia; Ph.D., Duke; HISTORY (Duke University).
- MILES, EDWARD ROY CECIL; B.S., Georgia School of Technology; A.M., Harvard; Ph.D., Rice Institute; MATHEMATICS (Duke University).
- MOUZON, JAMES CARLISLE; A.B., Southern Methodist University; Ph.D., California Institute of Technology; PHYSICS (Duke University).
- NEWSOME, ALBERT RAY; A.B., University of North Carolina; A.M., Ph.D., University of Michigan; HISTORY (University of North Carolina).
- ODELL, CHARLES WATTERS; A.B., A.M., DePauw University; Ph.D., University of Illinois; EDUCATIONAL PSYCHOLOGY (University of Illinois).
- OOSTING, HENRY JOHN; A.B., Hope College; M.S., Michigan State College; Ph.D., University of Minnesota; BOTANY (Duke University).
- OVERN, ALFRED VICTOR; A.B., M.S., Ph.D., University of Minnesota; EDUCATION (University of North Dakota).
- OWSLEY, FRANK LAWRENCE; B.S., M.S., Alabama Polytechnic Institute; A.M., Ph.D., University of Chicago; HISTORY (Vanderbilt University).
- PRICE, GUY VAUGHAN; A.B., William Jewell College; A.M., University of Chicago; Ph.D., Duke; SOCIOLOGY (Teachers College of Kansas City).
- PUNKÉ, HAROLD HERMAN; B.S., M.S., University of Illinois; Ph.D., University of Chicago; EDUCATION (Georgia State Woman's College).
- QUYNN, WILLIAM ROGERS; A.B., A.M., University of Virginia; Ph.D., Johns Hopkins; SPANISH (Duke University).
- RATCHFORD, BENJAMIN ULYSSES; A.B., Davidson College; A.M., Ph.D., Duke; ECONOMICS (Duke University).
- REID, JOHN TURNER; A.B., A.M., Ph.D., Stanford University; SPANISH (Duke University).
- ROBERT, JOSEPH CLARKE; B.A., Furman; A.M., Ph.D., Duke; HISTORY (Duke University).
- ROBERTS, JOHN HENDERSON; A.B., Ph.D., University of Texas; National Research Fellow, University of Pennsylvania, 1929-30; MATHEMATICS (Duke University).

- SANDERS, CHARLES RICHARD; B.Ph., A.M., Emory University; Ph.D., University of Chicago; ENGLISH (Duke University).
- SAYLOR, JOHN HENRY; A.B., Southern Methodist University; A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- SCOTT, JONATHAN FRENCH; A.B., A.M., Rutgers; Ph.D., University of Wisconsin; HISTORY (New York University).
- SHIELDS, JOHN HERMAN; A.B., A.M., University of Texas; Columbia, 1924-26; ACCOUNTING (Duke University).
- SLAY, RONALD JAMES; B.S., University of Mississippi; A.M., Ph.D., Columbia; TEACHING OF SCIENCE (East Carolina Teachers College).
- SMITH, CULVER HAYGOOD; A.B., Duke; A.M., Yale; Ph.D., Duke; HISTORY (University of Chattanooga).
- SOLVE, MELVIN T.; B.A., University of Oregon; Ph.D., University of Michigan; National University of Norway, Oslo, 1920-21; ENGLISH (University of Arizona).
- SPARGO, JOHN WEBSTER; A.B., Washington University; A.M., Ph.D., Harvard; Sheldon Traveling Fellow of Harvard, 1926-27, at University of Copenhagen; ENGLISH (Northwestern University).
- SPENCER, HAZELTON; A.B., Boston University; A.M., Ph.D., Harvard; ENGLISH (Johns Hopkins University).
- SPENCER, PAUL R.; A.B., University of Wisconsin; Ph.D., Columbia; EDUCATION (Principal of Central High School, Trenton, N. J.).
- STEPHENSON, WENDELL HOLMES; A.B., A.M., Indiana; Ph.D., University of Michigan; HISTORY (Louisiana State University).
- STRANG, RUTH M.; B.S., A.M., Ph.D., Columbia; EDUCATION (Columbia University).
- TANRUTHER, EDGAR M.; B.S., Iowa State College; M.A., Ph.D., University of Iowa; EDUCATION (State Teachers College, Minot, North Dakota).
- THOMPSON, EDGAR TRISTRAM; A.B., University of South Carolina; A.M., University of Missouri; Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- WALLIN, JOHN EDWARD WALLACE; A.B., Augustana College; A.M., Ph.D., Yale; EDUCATIONAL PSYCHOLOGY (Director of Special Education and Mental Hygiene, Delaware State Department of Public Instruction).
- WARD, MORGAN; A.B., University of California; Ph.D., California Institute of Technology; MATHEMATICS (California Institute of Technology).
- WEST, ALFRED THURBER; B.S., Alabama Polytechnic Institute; A.M., University of Alabama; Teachers Certificate from American Academy of Dramatic Art; ENGLISH (Duke University).
- WHEAT, HARRY GROVE; A.B., West Virginia University; A.M., University of Chicago; Ph.D., Columbia; EDUCATION (West Virginia University).
- WILSON, FREDERICK ELIPHAZ; A.B., Oberlin College; A.M., Columbia; University of Leipzig, 1916-17; Harvard, 1922-23; GERMAN (Duke University).
- WOODY, ROBERT HILLIARD; Ph.B., Emory University; A.M., Ph.D., Duke; HISTORY (Duke University).



- YODER, FRED ROY; A.B., Lenoir-Rhyne College; A.M., University of North Carolina; Ph.D., University of Wisconsin; SOCIOLOGY (State College of Washington).
- 
- BERRY, THOMAS SENIOR; S.B., A.M., Ph.D., Harvard; ECONOMICS (Duke University).
- BONNER, LYMAN GAYLORD; A.B., University of Utah; Ph.D., California Institute of Technology; PHYSICS (Duke University).
- BOOKHOUT, CAZLYN GREEN; A.B., St. Stephens College; A.M., Syracuse University; Ph.D., Duke; ZOOLOGY (Duke University).
- BRADSHER, CHARLES KILGO; A.B., Duke; A.M., Ph.D., Harvard; CHEMISTRY (Duke University).
- BROWN, FRANCES; A.B., Agnes Scott College; Ph.D., Johns Hopkins; CHEMISTRY (Duke University).
- BRUINSMA, HENRY A.; B.M., M.M., University of Michigan; MUSIC (Duke University).
- CARPENTER, JAMES MADISON; A.B., A.M., University of Mississippi; Ph.D., Harvard; ENGLISH (Duke University).
- CLARK, THOMAS D.; A.B., University of Mississippi; M.A., University of Kentucky; Ph.D., Duke; HISTORY (University of Kentucky).
- CULBRETH, SARAH ELIZABETH; A.B., A.M., Ph.D., Duke; ZOOLOGY (Duke University).
- DOTY, ROY ANDERSON; A.B., A.M., Duke; Duke, 1938-40; EDUCATION (Duke University).
- DOW, NEAL; A.B., Kenyon College; A.M., Ph.D., University of Pennsylvania; FRENCH (Duke University).
- ESKRIDGE, THOMAS JOSEPH, JR.; A.B., Emory and Henry College; A.M., George Peabody College; Ph.D., Duke; EDUCATION (Lander College).
- GIBSON, WILLIAM MARION; B.A., University of Richmond; A.M., Ph.D., Duke; POLITICAL SCIENCE (Duke University).
- HAMILTON, WILLIAM BASKERVILLE; A.B., A.M., University of Mississippi; Ph.D., Duke; HISTORY (Duke University).
- HARWELL, GEORGE CORBIN; A.B., A.M., Ph.D., Duke; ENGLISH (Duke University).
- HEBB, MALCOLM HAYDEN; B.A., British Columbia; Ph.D., Harvard; PHYSICS (Duke University).
- HILL, DOUGLAS; A.B., Yale; A.M., Ph.D., Princeton; CHEMISTRY (Duke University).
- HOBBS, MARCUS EDWIN; A.B., A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- JEFFERS, KATHERINE R.; A.B., A.M., University of Missouri; Ph.D., Bryn Mawr; ZOOLOGY (Duke University).
- JOHN, LENORE SUSAN; A.B., York College; A.M., University of Chicago; Chicago, 1927-30; ELEMENTARY EDUCATION (Specialist in Arithmetic, University of Chicago Laboratory School).
- JOHNSON, MYCHYLE W.; A.B., Ph.D., University of Indiana; ZOOLOGY (Duke University).



- KEECH, JAMES MAYNARD; A.B., A.M., Ph.D., Duke; ECONOMICS (Duke University).
- MCCLOY, SHELBY THOMAS; A.B., A.M., Davidson College; B.Litt., B.A., Oxford; Ph.D., Columbia; HISTORY (Duke University).
- MARKS, SALLIE BELLE; A.B., A.M., Columbia; George Washington University, 1938-39; ELEMENTARY EDUCATION (Meredith College).
- MICHAELS, MATILDA OSBORNE; A.B., Duke; A.M., Columbia; ELEMENTARY EDUCATION (Supervisor Durham County Schools).
- PORTER, ESTELLE RAWL; A.B., Winthrop College; Smith College, 1922-23; University of Chicago, 1926-27; ELEMENTARY EDUCATION (Queens College).
- PRATT, JOSEPH GAITHER; A.B., A.M., Ph.D., Duke; PSYCHOLOGY (Duke University).
- RAYMOND, MARY LOIS; A.B., Mount Holyoke College; A.M., Radcliffe College; University of Wisconsin, 1919-20; University of Madrid and University of Paris, 1921-22; School of International Studies, Geneva, 1928; FRENCH (Duke University).
- SIMPSON, WILLIAM HAYS; A.B., Tusculum College; A.M., Ph.D., Duke; POLITICAL SCIENCE (Duke University).
- WATSON, KARL BRANTLEY, JR.; B.S., A.B., University of Chattanooga; A.M., Ph.D., Duke; EDUCATION (Duke University).
- WELFLING, WELDON WOODROW; A.B., Swarthmore College; A.M., Ph.D., Princeton; ECONOMICS (Duke University).
- ABRAMOVITCH, BENJAMIN; B.S., McGill University; Duke, 1938-40; ASSISTANT IN CHEMISTRY (Duke University).
- ALSTON, AUGUSTA MICHAELS; A.B., Duke; DRAWING (Durham Public Schools).
- AYRES, ERLE BINGHAM; S.B., A.M., Boston University; ASSISTANT IN CHEMISTRY (Duke University).
- CHAMBERS, ROBERT LEE; B.S., University of Illinois; DIRECTOR OF RECREATION PROGRAM (Duke University).
- GOULD, ROBERT KENT; A.B., A.M., Duke; Duke, 1939-40; ASSISTANT IN CHEMISTRY (Duke University).
- HUDSON, BOYD E.; A.B., Duke; Duke, 1938-40; ASSISTANT IN CHEMISTRY (Duke University).
- MASON, MARY LOCHER; Diploma, Maryland Institute; Diploma in Fine Arts, Teachers College, Columbia; DRAWING (Durham City Schools).
- PERSONS, WALTER S.; SWIMMING (Duke University).
- RICHARDS, JAMES AUSTIN, JR.; A.B., Oberlin College; Duke, 1938-40; ASSISTANT IN PHYSICS (Duke University).
- RUSSELL, CHARLES DANIEL; B.S., Niagara University; M.S., California Institute of Technology; Duke, 1939-40; ASSISTANT IN CHEMISTRY (Duke University).
- WILLIAMS, JAMES WESLEY; A.B., Duke; B.S., Georgia School of Technology; ASSISTANT IN ENGINEERING (Duke University).
- WOLLMAN, SEYMOUR HORACE; B.S., M.S., New York University; Johns Hopkins University, 1936-39; Duke, 1939-40; ASSISTANT IN PHYSICS (Duke University).

## DUKE UNIVERSITY SUMMER SCHOOL

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In 1939 there was a total of 3,273 registrations in Duke University Summer School and affiliated schools. Of these registrations 1,933 students were enrolled in the first term of the Duke University Summer School, and 941 the second term; 141 were enrolled in the Junaluska Summer School, Inc., and Junaluska School of Religion at Lake Junaluska; and 158 were enrolled in the Medical School and the School of Nursing. There were 1,163 graduate students the first term, and 578 the second, admitted on the basis of Bachelor's degrees from 301 different colleges and universities. The total enrollment for the summer was drawn from thirty-five states, as well as the District of Columbia, Puerto Rico, Hawaii, Canada, England, China, and the Dominican Republic. The largest enrollments were from North Carolina, Pennsylvania, South Carolina, West Virginia, Florida, Georgia, Virginia, Ohio, Tennessee, New York, New Jersey, Mississippi, Maryland, Kentucky, and Alabama in the order named. Public school teachers from thirty-one states were included in the total.

### ADMISSION

Applicants for admission must have completed a high-school course. As evidence of this, a teacher's certificate of grade as high as North Carolina elementary will be accepted from teachers with two or more years of experience. Certificates and other credentials must be submitted to the Committee on the Summer School by the time of registration. Each student who wishes to enroll for graduate credit should request the proper officer of the university or college he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record and of any graduate credits he may have. This transcript should be furnished by May 25 for enrollment in the first summer session and by July 1 for enrollment in the second summer session. An application blank for admission to graduate courses is available upon request for those who contemplate study toward an advanced degree. Undergraduate students should apply to the Director of the Summer School for a special blank to be signed by the dean of the college to which they desire their credits sent, certifying approval of the courses for which application is made. The Summer School reserves the right to reject any application or to cancel any registration without assignment of reason.

### CREDITS

Professional credits towards teachers' certificates are granted by the various state boards of education, each in accordance with its own carefully planned rules. Teachers should consult the rules laid down by their State Board of Education before enrolling for certification credit. Any

student, however, whose work is of such quality as to deny him credit toward a degree, fails to receive "professional" credit.

College credits are offered as follows: A course of five hours a week for six weeks counts for two semester hours of credit, a course of seven and one half hours a week for six weeks counts for three semester hours of credit, and a course of ten hours a week for six weeks counts for four semester hours of credit in Duke University. No student is allowed to take more than fifteen hours of work a week without the consent of the Director and of the instructor in whose department the student expects to do his major work.\* Except in the case of elementary laboratory science, in which eight semester hours may be completed in seven weeks, the University will not accept credit beyond six semester hours earned in one term toward the Bachelor's degree. Graduate students are not under any circumstances permitted to enroll for more than six semester hours in a summer school of six weeks. They forfeit graduate credit by undertaking more than six semester hours of work, even though part of the work may carry undergraduate credit only. A student of senior standing, however, may elect as many as eight semester hours of such elementary-skill work as drawing, public school music, and the like, or courses primarily for Freshmen and Sophomores, and obtain such professional credit as his State Department of Education will allow, not to exceed the maximum eight stated. The North Carolina State Department of Education disapproves of more than seven semester hours in one term of six weeks.

The nature of the credit allowed for each course is indicated by the number of the course. Courses numbered 1-49 are primarily for Freshmen, or Freshmen and Sophomores; courses numbered 50-99 are ordinarily for Sophomores, or Sophomores and Juniors; courses numbered 100-199 are for Juniors and Seniors; courses numbered from 200-299 are for Seniors and graduates; and courses numbered from 300 up are for graduate students only and are of very limited enrollment. Courses numbered from 200 up are usually limited in enrollment to approximately twenty-five students, and during the summer consist almost exclusively of graduate students. Graduate seminars are limited to fifteen students or fewer.

#### NEW REQUIREMENTS FOR MASTER'S DEGREES

The Southern University Conference, consisting of leading educational institutions of the South interested in graduate work, has agreed that Master's degrees in summer school should represent a full year of residence as the term residence is understood during that academic year, exclusive of holidays and other interruptions of the academic year. This means a minimum period of thirty-three weeks and has these effects among others:

1. The extended period (of thirty-three weeks instead of thirty) makes it possible to give students preparing to write Master's theses a better opportunity to prepare for their thesis writing. In some depart-

\* No student liable to suspension from the University under its rules regarding failure is permitted to enroll in the Summer School.

ments research courses in which the student may do certain elementary preliminary work on his thesis have already been provided.

2. The period of thirty-three weeks conveniently divides into three periods of eleven weeks each, making it possible for the Summer School to begin nearly a week later and give the student a full period of eleven weeks well before the last day of August. For some time it has been hard to work in a full period of twelve weeks without serious inconvenience to many students because of early entrance for the first term or getting away late from the last term. Under the new plan students are advised not to try more than eleven weeks (eleven semester hours of credit) in one summer. However, for those students working under the old rules who wish to obtain twelve weeks credit this summer, a full period of twelve weeks has been provided as announced in this bulletin. It is possible that the twelve weeks term will within the next year or two be abandoned in favor of the quarter of eleven weeks.

3. The extended period makes possible a revision of the Master of Education degree in such a way as to abolish the thesis requirement and substitute work of probably greater value to the student. The requirements of the new Master of Education degree are set forth in the following paragraphs. It will be observed that they are probably more difficult than the old requirements, but the good student will probably have more when he completes them than he would have had under the old requirements including a thesis.

Students who started Master's degrees under regulations enforced prior to 1938 will have the normal time in which to complete their degrees under the old plan. The new requirements are sufficiently different from the old to make it hard for students with more than twelve semester hours of credit under the old plan to transfer to the new without loss. Anyone who transfers will be responsible for a minimum of thirty-three semester hours, or a residence period of thirty-three weeks. (Under "Graduate Instruction," two pages further along in this bulletin, the details of the new requirements are set forth.) The principal changes in the requirements for the Master of Arts degree are the new minimum residence period of thirty-three weeks (five and one half terms of six weeks, or three "quarters" of eleven weeks), the more specific statement of undergraduate prerequisites (see the introductory statements under each department of instruction that offers a Master's sequence in Summer School), and the requirement in most departments of a pre-thesis research course, in which, however, the student will ordinarily have some opportunity to get a start upon his thesis. This, in effect, gives the student nine weeks of supervision for his thesis at the same time that it clears up the status of some of the research courses.

The changes in the Master of Education requirements are more radical. They not only require a minimum residence period of three "quarters" or five and one-half summer terms of six weeks, but they abolish the thesis requirement heretofore made and substitute the following work with final written examination upon each part:

(A) Four courses intended to help the student learn to read independently and obtain a basic understanding of education and the school, these courses being conducted on a plane analogous to Honors reading\* and described as follows:

**Education S300.**—The place of educational research, its methods of procedure, evaluation of results, special problems, etc.

**Education S304.**—The school as an institution—the place of the school in society, its history, and philosophy.

**Education S305.**—The nature, function, and organization of the curriculum.

**Education S317.**—The psychological principles of education—an advanced study of teaching, learning, and the learner.

(B) The work of the minor department, including any undergraduate prerequisite the student finds it necessary to study by supervised outside reading. (For example, many teachers of history and social studies have not had undergraduate work in government or economics or sociology, yet they wish to take their minor work in this missing department in order that they may have a better background for their teaching. Under the new plan, the Summer School can encourage this desirable strengthening of preparation in the subject matter by giving reading lists based on the preliminary undergraduate work in order that the student may have the background to go on with the minor of his choice. It would seem that a teacher of American history, for example, can by independent reading and a minimum of supervision obtain the elementary knowledge of American government necessary as a basis for minor work. It is the policy of the Summer School to encourage through the Master of Education degree independent reading as a basis for the minor as well as for the four "core" courses listed above.)

(C) Carefully defined major work in (a) public school administration, (b) public school supervision, (c) elementary education, or (d) secondary education, as the professional major. (It will be observed that the degree is intended for those who definitely desire their work for professional purposes. The Master of Education degree is, therefore, not offered with a major in educational psychology or history of education. Students in these two fields would be expected to enroll for the Master of Arts degree.)

It is apparent that students in education are offered a choice between the Master of Arts degree with a major in education and the Master of Education degree. Either degree may be completed within a minimum residence of three summer "quarters" of eleven weeks each, or five and a half summer terms of six weeks each. Both degrees are administered by the Graduate School, and only graduate courses are approved for the degrees. Students who subsequently decide to go on to the Doctor of Philosophy degree may have their credits for either Master's degree evaluated toward the higher degree.

\* Voluntary class attendance is permitted students enrolling in these courses for reading credit, except that such students are expected to report at least once in three days for discussion.



**THESIS WRITING IN SUMMER SCHOOL**

Since Duke University grants no Master of Arts degree except upon completion of a satisfactory thesis, every candidate for that degree who expects to complete his work in Summer School should as soon as possible after completing his first term of residence choose a field in which he desires to write a thesis and confer with some instructor offering graduate courses in that field. The following points should be kept clearly in mind when arrangements are made for thesis supervision:

1. The subject of the thesis must be approved by the instructor who undertakes the supervision. The instructor's decision as to whether the topic is suitable, or the student is prepared to develop it, or the instructor prepared to supervise it, is final.

2. A student may enroll for six semester hours of residence credit towards a thesis or for less, in one term of six weeks. If he enrolls for only three semester hours he may enroll also for a course of three semester hours, but he cannot enroll for a total of more than six semester hours of credit, including residence toward his thesis. Completion of six semester hours of residence toward his thesis does not guarantee the satisfactory completion of the thesis, which must be acceptable to the instructor supervising it and to a committee representing the Council on Graduate Instruction. Students who do not complete their theses the first term they register for supervision have the privilege of registering a second term upon payment of regular dues, but are not required to do so. Since the numbers permitted to enroll in thesis seminars are strictly limited, such students are not permitted to register for a third term of supervision.

3. A student may either enroll in a specifically designated "thesis" course or, if his preparation meets the approval of the instructor in charge, attach himself to some regularly offered course in his field of study and report periodically to the instructor offering the course.

A student enrolling for thesis residence credit in regular course pays the same fees as other students during the summer of residence. At the time of graduation he pays the same diploma and commencement fees as other students and a thesis supervision fee of \$25.00.\*

5. Students enrolling for thesis supervision during the Summer School are expected to complete their theses largely during the summer of enrollment or some subsequent summer term. The instructor with whom they enroll is not under obligation to give active supervision during the academic year, although instructors are willing to give a reasonable amount of attention to theses practically completed. Similarly, instructors in Duke University who are not teaching in the Summer School are not expected to undertake the supervision of theses written by summer school students.

6. Students of the academic year who do not complete theses begun prior to Summer School are not accepted for summer school enrollment unless their subjects are in the field of some thesis seminar or other course offered by an instructor who recommends that such students be assigned to his supervision during the summer. Instructors who are employed for full time by the Summer School are specifically requested not to carry over into the summer thesis students whose subjects are not properly a part of work such instructors are offering in the Summer School.

**FEES**

Teachers in active full-time service in schools and colleges are exempt from tuition fees for as many as four terms of six weeks in a period of six years. After their fourth term they pay regular tuition charges. All

\* Students completing the M.Ed. degree by examination pay examination fee of \$25.00, in lieu of the thesis supervision fee.



other students are charged a tuition fee of \$8.00 for each college-credit hour, or \$4.00 for each semester hour, maximum tuition being \$24.00 for six weeks, or \$30.00 for courses running seven weeks. All students, teachers included, pay a registration fee of \$18.00 per term. Students in the sciences pay the laboratory fees required in regular term, and students completing degrees pay the regular commencement charges at the time of receiving their degrees, besides the thesis supervision or M.Ed. examination fee of \$25.00 required of persons completing Master's degrees.

Major expenses will be estimated as follows for each term:

Registration .....	\$18.00
Room-rent and board .....	47.50
Recreation ticket .....	1.50
	\$67.00
Total major expenses to teachers .....	\$67.00

In the men's dormitories, as has been stated, the charge for rooms is one dollar less, making the total major expenses for occupants \$66.00. To these totals should be added the tuition fee of \$24.00 charged students other than teachers in the public schools and also charged teachers who have already received four terms exemption, about \$7.00 for books, and probably \$3.00 for miscellaneous expenditures. All claims for exemption from tuition should be filed at the time of registration.

# COURSES OF INSTRUCTION

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## EXPLANATIONS AND ABBREVIATIONS

Classes meet daily five times per week for six weeks unless otherwise indicated. Classes that meet for sixty-minute periods are indicated as carrying two semester hours of credit. Classes meeting eighty-five minute periods daily count for three semester hours except where credits are stated otherwise. Courses are arranged alphabetically by departments. The course numbers are the same numbers used in describing courses in the regular term, with the letter "S" preceding; for example, Chemistry S1 would correspond to Chemistry 1 of the regular term.

N.B.—Different State Departments of Education grant professional credit for various courses in accordance with their own carefully defined rules. Every student should inquire carefully at or before registration as to what professional credit is allowed for each course in his state.

## THESIS COURSES FOR MASTER'S DEGREE CANDIDATES

It is important for every candidate for a Master of Arts degree to plan for his thesis as soon as possible after he completes his first summer school. (See suggestions for planning theses, pages 23-24, this bulletin.) Special attention is called to Education S234X, S300, S300X, S309, S322, S333X, Chemistry S275X, English S301, S307, S308, S329, S332, French S315, S350, History S306X, S315, S317, S330, S333, S343, Mathematics S389X, S390X, Physics S353X, Religion S368, Sociology S340, Spanish S373, and Zoology S353. A properly qualified student, however, may with the approval of the instructor and the head of his department attach himself to any graduate course for thesis supervision.

## BIOLOGY

See courses listed under Botany and Zoology.

## BOTANY

S201. Structure of Seed Plants.—Prerequisite: two years of botany or equivalent. 3 s.h. Miss ADDOMS

S216. Preparation of Botanical Materials.—Prerequisite: two years of botany or equivalent. 3 s.h. Miss ADDOMS

S255. Special Problems.—*Credit to be arranged.* STAFF

S235. Introduction to Field Botany.—Prerequisite: one year of botany or equivalent. 3 s.h. Mr. OOSTING

S236. Field Botany.—Prerequisite: S235 or equivalent. 3 s.h. Mr. OOSTING

S359. Research in Botany.—*Credit to be arranged.* STAFF

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*The following courses are planned at the Marine Laboratory in Beaufort, North Carolina:*

S211. Structure and Classification of Algae.—6 s.h. Mr. BLOMQUIST AND ASSISTANTS

S225. Special Problems. Mr. BLOMQUIST

S359. Research: Taxonomy, Morphology. Mr. BLOMQUIST

For particulars as to expense, etc., write the Director of the Summer School or Dr. H. L. Blomquist, Chairman of the Botany Department, Duke University.

### CHEMISTRY

S1. General Inorganic Chemistry.—4 s.h.  
Mr. R. N. WILSON AND MR. BRADSHER

S2. General Inorganic Chemistry.—Prerequisite: Chemistry S1. 4 s.h.  
Mr. R. N. WILSON AND MR. BRADSHER

S61. Qualitative Analysis.—4 s.h. Mr. HOBBS AND MR. RUSSELL

S70. Quantitative Analysis.—4 s.h. Mr. HILL AND MR. AYRES

S151. Organic Chemistry.—Prerequisites: courses S61 and S70, except by permission of the instructor. 4 s.h. MISS BROWN AND MR. ABRAMOVITCH

S152. Organic Chemistry.—Prerequisite: course S151. 4 s.h.  
Mr. HAUSER AND MR. HUDSON

S261. Physical Chemistry.—Prerequisites: Chemistry S70, S151-S152, Physics S1-S2 or equivalent and Mathematics 7-8 or equivalent. 3 s.h.

Mr. SAYLOR AND MR. GOULD

S262. Physical Chemistry.—3 s.h. Mr. SAYLOR AND MR. GOULD

S275X. Thesis Research.—2 to 8 s.h.  
Mr. BIGELOW, MR. HILL, AND MR. HOBBS

### ECONOMICS

S51. Principles of Economics.—3 s.h. Mr. EITEMAN

S57-S58. Principles of Accounting.—6 s.h. Mr. BLACK

S115. Economic Geography: Teachers' Course.—3 s.h.  
Mr. LEMERT (*first term*)  
Mr. KEECH (*second term*)

Note: Conservation of Natural Resources.

S116. Economic Geography and Industrial Organization.—3 s.h.  
Mr. LEMERT

S171-S172. Advanced Accounting.—6 s.h. Mr. SHIELDS

S203. Money, Banking, and Credit.—3 s.h. Mr. WELFLING

S204. Money, Banking, and Credit.—3 s.h. Mr. WELFLING

S218. Population Problems and the Standard of Living.—3 s.h.  
Mr. SPENGLER

S230. Public Debts in the United States.—3 s.h. Mr. RATCHFORD

S231. The Economic History of Modern Europe.—3 s.h. Mr. T. S. BERRY

S232. The Economic History of the United States.—3 s.h.  
Mr. T. S. BERRY

S236. Public Finance.—3 s.h. Mr. RATCHFORD

S240. Economic Theory.—3 s.h. Mr. SPENGLER

## EDUCATION

## PUBLIC SCHOOL ADMINISTRATION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Political Science, Economics, or Sociology. Candidates for the Master of Education under the new plan must take fifteen semester hours of work from the courses specifically listed under this division.)

S203. Principles of School Administration.—Prerequisite: six semester hours of courses in classroom management and educational psychology. 3 s.h.  
MR. PROCTOR

S224. Current Problems in Public Education as Revealed through School Surveys.—3 s.h.  
MR. GAMBLE

S234. Secondary School Organization and Administration.—3 s.h.  
MR. HOWARD (*first term*)  
MR. GOLDTHORPE (*second term*)

S253. Legal Phases of School Administration.—3 s.h. MR. LOWERY

S323. Public School Finance.—3 s.h. MR. PROCTOR AND MR. FOWLKES

S333X. Thesis Seminar: Research in School Administration.—*Credit to be arranged.*  
MR. PROCTOR (*either term*,  
MR. OVERN (*either term*)

S343. State and County School Administration.—3 s.h. MR. GOLDTHORPE

S353. Economic and Social Aspects of School Administration.—Prerequisite: six semester hours in school administration. 3 s.h. MR. GOLDTHORPE

S363. City School Organization and Administration.—3 s.h.  
MR. PROCTOR AND MR. FOWLKES

## PUBLIC SCHOOL SUPERVISION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Psychology or an approved combination with Educational Psychology, or in Sociology. Master of Education candidates are permitted as many as nine semester hours of work in their minor, but take the remaining twelve or fifteen, if minor is only six hours, from courses specifically described or listed under Supervision.)

S209. Statistical Methods in Education.—3 s.h. MR. ODELL

S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.  
MR. HILLMAN (*first term*)  
MR. P. R. SPENCER (*second term*)

S224. Current Problems in Public Education as Revealed through School Surveys.—3 s.h. MR. GAMBLE

S232. Elementary School Supervision.—3 s.h. MR. OVERN

S233A. Pupil Personnel Problems in the Elementary School: Guidance.—3 s.h.  
MISS STRANG (*section one*)  
MR. OVERN (*section two*)

S273. Problems of High-School Supervision.—3 s.h.  
MR. HIGHSMITH (*first term*)  
MR. J. M. GWYNN (*second term*)

S287. Problems of Mentally and Educationally Retarded Children.—3 s.h.  
MR. WALLIN

- S288. Problems of Mental Hygiene and Education.—3 s.h. MR. HOLSOPPLE
- S304. The School as an Institution.—3 s.h. MR. PUNKÉ
- S305. The Nature, Function, and Reorganization of the Curriculum.—3 s.h. MR. CARR

#### EDUCATIONAL PSYCHOLOGY (GRADUATE COURSES)

(The Master of Education degree is not offered in this division. Master of Arts candidates should choose Psychology for their minor subject. It will be observed that certain of the courses listed under Educational Psychology are also listed under Supervision, Secondary Education, or Elementary Education.)

- S208. Mental Tests and Applications.—Prerequisite: course S258 or six semester hours of other work in educational psychology or psychology. 3 s.h. MR. ODELL
- S209. Statistical Methods in Education.—3 s.h. MR. ODELL
- S212. Psychology of the Elementary School Subjects.—3 s.h. MR. WHEAT
- S216. Psychological Principles of Secondary Education.—3 s.h.  
MR. PUNKÉ (*first term*)  
MR. BOND (*second term*)
- S218. Educational Implications of Genetic Psychology.—Prerequisite: six semester hours of psychology or educational psychology. 3 s.h. MR. EASLEY
- S227. Psychology of Learning: Problems.—3 s.h. MR. EASLEY
- S237. Investigations in Reading.—3 s.h. MR. DOLCH
- S237A. Investigations in Reading: Primary Section.—3 s.h. MR. DOLCH
- S247. Investigations in Arithmetic.—3 s.h. MR. DOLCH
- S247A. Investigations in Arithmetic: Primary Section.—3 s.h. MISS JOHN
- S247B. Investigations in Arithmetic: Grammar Grade Section.—3 s.h. MISS JOHN
- S257. Investigations in Language and Elementary School English.—3 s.h. MR. EVANS
- S258. Educational Measurements.—3 s.h. MR. ODELL
- S258A. Educational Measurements in the Secondary Schools.—3 s.h. MR. ODELL
- S287. Problems of Mentally and Educationally Retarded Children.—3 s.h. MR. WALLIN
- S288. Problems of Mental Hygiene and Education.—3 s.h. MR. HOLSOPPLE
- S300. Introduction to Educational Research.—3 s.h. MR. SCATES
- S300X. Educational Research.—3 s.h. MR. SCATES
- S317. The Psychological Principles of Education.—3 s.h. MR. WHEAT

## SECONDARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should elect minor work in their teaching subject, or in Psychology or Sociology, Master of Education candidates are required to elect their minor work in their teaching subject, and all of their work in Education must come from courses listed in this division.)

S205. Curriculum Problems in Secondary Education.—3 s.h.

MR. CHILDS (*section 1*)

MRS. HAWKES (*section 2*)

MR. TANRUTHER (*second term*)

S206. Sociological Foundations of Secondary Education.—3 s.h.

MR. P. H. GWYNN (*first term*)

MR. TANRUTHER (*second term*)

S216. Psychological Principles of Secondary Education.—3 s.h.

MR. PUNKÉ (*first term*)

MR. BOND (*second term*)

S226. Teaching of History and the Social Studies.—3 s.h. MRS. HAWKES

S234. Secondary School Organization and Administration.—3 s.h.

MR. HOWARD (*first term*)

MR. GOLDTHORPE (*second term*)

S234X. Thesis Seminar in Secondary Education.

MR. CHILDS (*first term*)

MRS. HAWKES (*second term*)

S236. Problems in the Teaching of English in the Secondary School.—  
3 s.h. MR. EVANS

S246. The Teaching of High-School Mathematics.—3 s.h.

MR. W. W. RANKIN

S266. The Teaching of High-School French.—3 s.h.

MR. WEBB

S273. Problems of High-School Supervision.—3 s.h.

MR. HIGHSMITH (*first term*)

MR. J. M. GWYNN (*second term*)

S276. The Teaching of High-School Science.—Prerequisite: at least  
eighteen semester hours of science in college. 3 s.h. MR. SLAY

## ELEMENTARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should take their minor work of six semester hours in Psychology, Educational Psychology, or an approved combination of the two, or in Child Welfare and Development—wholly in Sociology, or partly Sociology and Psychology, or Educational Psychology, if a satisfactory combination can be worked out. Master of Education candidates in this division must take fifteen semester hours of work described or listed under Elementary Education.)

S207. Technique of Teaching.—3 s.h.

MR. BOND

S212. Psychology of the Elementary School Subjects.—3 s.h. MR. WHEAT

S218. Educational Implications of Genetic Psychology.—3 s.h.

MR. EASLEY

S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.

MR. HILLMAN (*first term*)

MR. P. R. SPENCER (*second term*)



- S232. Elementary School Supervision.—3 s.h. MR. OVERN
- S233A. Pupil Personnel Problems in the Elementary School: Guidance.—  
3 s.h. MISS STRANG (*section one*)  
MR. OVERN (*section two*)
- S237. Investigations in Reading.—3 s.h. MR. DOLCH
- S237A. Investigations in Reading: Primary Section.—3 s.h. MR. DOLCH
- S247. Investigations in Arithmetic.—3 s.h. MR. DOLCH
- S247A. Investigations in Arithmetic: Primary Section.—3 s.h.  
MISS JOHN
- S247B. Investigations in Arithmetic: Grammar Grade Section.—3 s.h.  
MISS JOHN
- S257. Investigations in Language and Elementary School English.—  
3 s.h. MR. EVANS
- S267. Studies in the Teaching of Elementary School Science.—Prerequisite: at least eighteen semester hours of science in college. 3 s.h.  
MR. SLAY
- S287. Problems of Mentally and Educationally Retarded Children.—  
3 s.h. MR. WALLIN
- S288. Problems of Mental Hygiene and Education.—3 s.h. MR. HOLSOPPLE
- S322. Seminar in Elementary Education.—3 s.h. MR. CARR

#### UNDERGRADUATE COURSES

(By permission Seniors may enter graduate courses numbered below 300. Attention is called to the fact that toward the A.B. degree not more than six semester hours of methods courses are allowed to count.)

- S58. The Learning Process.—3 s.h. MR. WATSON
- S68. Mental Hygiene of the School Child.—3 s.h. MR. GODARD
- S83. Current Trends in American Public School Organization.—3 s.h.  
MR. CURTIS
- S101. Introduction to Teaching.—3 s.h. MR. DOTY
- S103. School Organization and Administration for the Classroom Teacher.  
3 s.h. MR. ESKRIDGE
- S117. Analysis of Study and Study Habits in the Elementary School  
Subjects.—3 s.h. MR. CURTIS
- S118. Educational Implications of Genetic Psychology.—3 s.h.  
MR. WATSON
- S162. Social Studies in the Primary Grades.—3 s.h. MRS. PORTER
- S182. The Teaching of Geography.—3 s.h. MR. GODARD
- S192. Materials and Methods in the Primary Grades.—3 s.h.  
MISS MICHAELS (*first term*)  
MISS MARKS (*second term*)
- S197. Materials and Methods in the Grammar Grades.—3 s.h.  
MISS MICHAELS

## PUBLIC SCHOOL ART

- A. Integrated Art in the Public School.—3 s.h. MRS. MASON  
 B. Industrial Art in the Public School.—3 s.h. MRS. ALSTON

## HYGIENE AND HEALTH EDUCATION

- S112. Personal and School Hygiene. MISS GARDINER  
 S132A. Materials and Methods in Health Education: Primary Grades.—  
 3 s.h. MR. AYCOCK  
 S132B. Materials and Methods in Health Education: Grammar Grades.—  
 3 s.h. MR. AYCOCK

## NOTE AS TO UNDERGRADUATE PHYSICAL EDUCATION

*Undergraduate students in Trinity College are required to take six semester hours of physical education, divided into four courses taken one each term during their first two years in college. Among the courses offered to meet the physical education requirements are Swimming 13 (for beginners), and Swimming 42 (for more advanced students). By request, these courses are offered for men the first term this summer on the West Campus, under the direction of Swimming Coach W. S. Persons. Course 13 is scheduled for Period 1, and course 42 for Period 2. Each course carries physical education credit of one and one half semester hours, is limited to a maximum enrollment of thirty students and involves a special fee of \$5.00. Similarly, arrangements can be made for women on the East Campus the first term of Summer School if there is sufficient demand.*

## ENGINEERING

- C.E. S10. Plane Surveying.—3 s.h. MR. BIRD, MR. W. H. HALL, AND MR. WILLIAMS  
 C.E. S110. Plane Surveying.—3 s.h. MR. BIRD

## ENGLISH

Master's candidates in English are required to complete at least three semester hours in Chaucer or certain other designated courses. Master's candidates who have completed as many as twelve semester hours of graduate work should take also the bibliography course, S301, at their earliest opportunity.

- S1. English Composition.—3 s.h. MR. HARWELL  
 S2. English Composition.—3 s.h. MR. HARWELL  
 S56. Representative English Writers.—3 s.h. MR. SANDERS  
 S120. History of the Theater.—3 s.h. MR. WEST  
 S123. Shakespeare.—3 s.h. MR. MITCHELL  
 S124. Shakespeare.—3 s.h. MR. MITCHELL  
 S125. Early Nineteenth-Century Literature.—3 s.h. MR. SANDERS  
 S126. Early Nineteenth-Century Literature.—3 s.h. MR. PATTON  
 S137. American Literature prior to 1850.—3 s.h. MR. HURLEY  
 S138. American Literature, 1850-1900.—3 s.h. MR. HURLEY

- S139. *The Speaking Voice*.—3 s.h. MR. WEST
- S145. *English Literature, 1832-1900*.—3 s.h. MR. BLACKBURN
- S163. *Folk Background of Literature*.—3 s.h. MR. J. M. CARPENTER
- S203. *Chaucer*.—3 s.h. MR. HUGHES
- S211. *English Non-Dramatic Literature, 1600-1650*.—3 s.h. MR. ALLEN
- S213. *Folk Background of Literature*.—3 s.h. MR. J. M. CARPENTER
- S215. *Elizabethan Drama*.—3 s.h. MR. H. SPENCER
- S216. *The English Drama in the Reign of James I*.—3 s.h.  
MR. H. SPENCER
- S217. Spenser: "The Faerie Queene."—3 s.h. MR. HUGHES
- S218. Milton: "Paradise Lost," "Paradise Regained," and "Samson Agonistes."—3 s.h. MR. GILBERT
- S219. *English Literature, 1700-1750*.—3 s.h. MR. IRVING
- S223. *Survey of Early Nineteenth-Century Literature*.—3 s.h. MR. SOLVE
- S225A. *Early Victorian Literature: Browning*.—3 s.h. MR. GRIGGS
- S226. *Later Victorian Literature, 1850-1900*.—3 s.h. MR. GRIGGS
- S228. *Literary Criticism*.—3 s.h. MR. GILBERT
- S229. *American Literature, 1800-1870: The New England Writers*.—3 s.h.  
MR. ELLIS
- S230. *American Literature, 1800-1870: Middle Atlantic and Southern*.—  
3 s.h. MR. HUBBELL
- S231A. *Special Studies in American Literature: The Rise of National  
Literary Consciousness, 1780-1820*.—3 s.h. MR. ELLIS
- S233. *American Literature since 1870: Part I*.—3 s.h. MR. MABBOTT
- S234. *American Literature since 1870. Part II*.—3 s.h. MR. BROWN
- S237. *Shakespeare's Earlier Plays*.—3 s.h. MR. H. SPENCER
- S238. *Shakespeare's Later Plays*.—3 s.h. MR. H. SPENCER
- S243. *History of the English Language*.—3 s.h. MR. SPARGO
- S257. *The American Novel, 1789-1860*.—3 s.h. MR. BROWN
- S268. *Milton: Minor Poems and Principal Pamphlets*.—3 s.h.  
MR. HUGHES
- S271. *Non-Dramatic English Literature of the Sixteenth Century*.—3 s.h.  
MR. ALLEN
- S301. *Bibliography and Methods of Research*.—3 s.h. MR. SPARGO
- S301A. *Bibliography in American Literature*.—3 s.h. MR. GOHDES
- S304. *Studies in Poe*.—3 s.h. MR. MABBOTT
- S307. *Seminar in American Literature Prior to 1870*.—3 s.h.  
MR. HUBBELL

- S308. Seminar in American Literature since 1870.—3 s.h. MR. GOHDES  
 S323. Studies in Coleridge.—3 s.h. MR. GRIGGS  
 S324. Studies in Shelley.—3 s.h. MR. SOLVE  
 S329. Seminar in Sixteenth- and Seventeenth-Century English Literature.—3 s.h. MR. GILBERT  
 S332. Seminar: Studies in English Literature, 1750-1800.—3 s.h. MR. IRVING

### FORESTRY

Candidates for the Bachelor of Science degree with a major in Forestry are required to take Civil Engineering S110 (Plane Surveying) in Summer School at the close of their Junior year. This course is listed under Engineering, page 45, this bulletin. Candidates in Forestry are also expected to take the following courses after completing the required work in Engineering:

- S150. Forest Surveying.—Prerequisite: Civil Engineering S110, Plane Surveying, or equivalent. 5 s.h. MR. MAUGHAN  
 S151. Forest Mensuration.—4 s.h. MR. SCHUMACHER

### FRENCH

- S1. Elementary French.—3 s.h. MR. DOW  
 S2. Elementary French.—3 s.h. MR. DOW  
 S3. French Prose.—Prerequisite: French S1-S2 or two years of high-school French. 3 s.h. MISS RAYMOND  
 S4. French Prose.—Prerequisite: French S3. 3 s.h. MISS RAYMOND  
 S51. Introduction to French Literature.—Prerequisite: French S3-S4 or equivalent. 3 s.h. MR. BRIDGERS  
 S52. Introduction to French Literature.—Prerequisite: French S51. 3 s.h. MR. BRIDGERS  
 S213. French Prose and Poetry of the Seventeenth Century.—3 s.h. MR. WALTON  
 S218. Materials and Methods.—3 s.h. MR. WEBB  
 S228. Survey of French Poetry, 1400-1850.—3 s.h. MR. COWPER  
 S231. Rousseau and the Beginnings of Romanticism.—3 s.h. MR. COWPER  
 S315. Seminar in the Modern French Novel.—3 s.h. MR. JORDAN  
 S350. Seminar in Nineteenth-Century French Criticism.—3 s.h. MR. JORDAN

### GEOGRAPHY

See courses listed under Economics.

### GEOLOGY

- S175. Field Course in Geology.—Prerequisite: Geology 51-52 or its equivalent, and the permission of the instructor. 4 s.h. MR. W. BERRY

## GERMAN

- S1. Elementary German.—3 s.h. MR. F. E. WILSON  
 S2. Elementary German.—3 s.h. MR. F. E. WILSON  
 S115. German Drama of the First Half of the Nineteenth Century.—  
 3 s.h. MR. KRUMMEL  
 S116. German Drama of the Second Half of the Nineteenth Century.—  
 3 s.h. MR. KRUMMEL

## GOVERNMENT

See courses listed under Political Science.

## GREEK LITERATURE

(*In English Translation*)

- S121. Homer.—3 s.h. MR. JERNIGAN  
 S122. Greek Literature: The Great Tragedies.—3 s.h. MR. JERNIGAN

## HISTORY

- S51. Modern and Contemporaneous Europe.—3 s.h. MR. MCCLOY  
 S52. Modern and Contemporaneous Europe.— 3 s.h. MR. MCCLOY  
 S91. Political and Social History of the United States to 1850.—3 s.h.  
 MR. CLARK (*first term*)  
 MR. MABRY (*second term*)  
 S92. Political and Social History of the United States since 1850.—3 s.h.  
 MR. CLARK (*first term*)  
 MR. MABRY (*second term*)  
 S101. Development of Western European Civilization to about 500 A.D.—  
 3 s.h. MR. MANCHESTER  
 S102. Development of Western European Civilization from 500 to 1563  
 A. D.—3 s.h. MR. MANCHESTER  
 S105. English Constitutional History to 1485.—3 s.h. MR. HAMILTON  
 S203. The Union, Confederacy, and Reconstruction.—3 s.h. MR. WOODY  
 S206. English History since 1485.—3 s.h. MR. HAMILTON  
 S208A. American Social History to 1850.—3 s.h. MR. ROBERT  
 S208B. American Social History since 1850.—3 s.h. MR. ROBERT  
 S210. Political and Constitutional History of the United States, 1820-  
 1850.—3 s.h. MR. C. H. SMITH  
 S213. Recent History of the United States.—3 s.h. MR. CALLCOTT  
 S215. History of the United States' Foreign Policy prior to 1876.—3 s.h.  
 MR. CALLCOTT  
 S216. History of the United States' Foreign Policy since 1876.—3 s.h.  
 MR. CLYDE  
 S217. Europe, 1870-1914.—3 s.h. MR. SCOTT

- S218. Europe since 1914. MR. CARROLL (*first term*)  
MR. SCOTT (*second term*)
- S231. The Hispanic Colonies of the New World.—3 s.h. MR. LANNING
- S236. The South in Federal Politics, 1789-1860.—3 s.h. MR. OWSLEY
- S237. Social and Intellectual Development of the Old South.—3 s.h.  
MR. STEPHENSON
- S245. History of the United States: The Federal Period, 1783-1815.—3 s.h.  
MR. NEWSOME
- S246. History of the United States: The Middle Period, 1815-1860.—3 s.h.  
MR. NEWSOME
- S306X. Thesis Seminar in Southern History. MR. STEPHENSON
- S315. Seminar in Southern History.—3 s.h. MR. OWSLEY (*first term*)  
MR. WOODY (*second term*)
- S317. Seminar in Modern European History.—3 s.h. MR. CARROLL
- S325-S326. British Nationality and Public Opinion.—6 s.h. MR. LAPRADE
- S330. Seminar in Jacksonian Democracy, 1824-1837.—3 s.h.  
MR. C. H. SMITH
- S333. Studies in Hispanic-American History and Related Fields.—Pre-  
requisite: History S231 or S232 and S234. 3 s.h. MR. LANNING
- S343. Seminar in the History of American-Foreign Relations and the  
Far East.—3 s.h. MR. CLYDE

### MATHEMATICS

- S204. Teaching of Mathematics.—Prerequisite: integral calculus. 3 s.h.  
MR. W. W. RANKIN
- S205. Modern Developments in Mathematics.—3 s.h. MR. ROBERTS
- S228. Number Theory.—Prerequisite: integral calculus. 3 s.h.  
MR. WARD
- S231. Differential Equations.—Prerequisite: integral calculus. 3 s.h.  
MR. ELLIOTT
- S235. Modern Algebra.—Prerequisite: differential calculus. 3 s.h.  
MR. CARLITZ
- S236. Modern Algebra.—Prerequisite: differential calculus. 3 s.h.  
MR. THOMAS
- S250. Modern Geometry.—3 s.h. MR. CARLITZ
- S271. Introductory Topology.—Prerequisite: integral calculus. 3 s.h.  
MR. ROBERTS
- S283. Fourier Series and Spherical Harmonics.—Prerequisite: integral  
calculus. 3 s.h. MR. MILES
- S331. Complex Variable.—Prerequisite: S239-S240 (Advanced Calculus)  
or the equivalent. 3 s.h. MR. WARD
- S332. Complex Variable.—Prerequisite: S331 or the equivalent. 3 s.h.  
MR. MILES



- S389X. Thesis Seminar. MR. CARLITZ, MR. ROBERTS, AND MR. WARD  
 S390X. Thesis Seminar. MR. GERGEN AND MR. THOMAS

### MUSIC

- S11. Fundamentals of Public School Music.—3 s.h. MR. BRUINSMA

### PHYSICS

For admission to candidacy for a Master's degree with major in Physics, students must have completed a minimum of twelve semester hours of Physics. This course work, together with the work in the field of the proposed minor, must be approved by the Department through the Director of Graduate Studies.

- S1-S2. General Physics.—8 s.h.  
 MR. D. W. CARPENTER, MR. RICHARDS, AND MR. WOLLMAN  
 S18. Physics for Engineers.—3 s.h. MR. MOUZON  
 S106. Photography.—3 s.h. MR. BONNER  
 S203. Analytical Mechanics.—3 s.h. MR. HEBB  
 S204. Analytical Mechanics.—3 s.h. MR. MOUZON  
 S353X. Research Seminar.—2 to 6 s.h.  
 MR. NIELSEN, MR. MOUZON, MR. BONNER, AND MR. HEBB

### POLITICAL SCIENCE

- S61. American Government and Politics.—3 s.h.  
 MR. GIBSON (*first term*)  
 MR. SIMPSON (*second term*)  
 S62. American Government and Politics.—3 s.h.  
 MR. GIBSON (*first term*)  
 MR. SIMPSON (*second term*)  
 S227. International Law.—3 s.h. MR. R. R. WILSON  
 S228. International Law.—3 s.h. MR. R. R. WILSON  
 S230. American Political Institutions.—3 s.h. MR. R. S. RANKIN  
 S241. The Administrative Process.—3 s.h. MR. HART  
 S244. Administrative Law.—3 s.h. MR. HART  
 S291. Municipal Government.—3 s.h. MR. R. S. RANKIN

### PSYCHOLOGY

- S101. Introduction to Psychology: General Principles of Mental Activity and Growth.—3 s.h. MR. PRATT  
 S201. Social Psychology.—3 s.h. MR. ADAMS  
 S207. Psychology of Thinking, Memory, Perceiving.—3 s.h. MR. ZENER  
 S226. Contemporary Schools of Psychology.—3 s.h. MR. ZENER  
 S315. Child Psychology.—3 s.h. MR. ADAMS

## RELIGION

S51. The History of the Hebrew People.—3 s.h.	MR. MYERS
S52. New Testament Literature.—3 s.h.	MR. MYERS
S204. Christian Ethics.—3 s.h.	MR. H. S. SMITH
S281. The Nature and Early Development of Religion.—3 s.h.	MR. CANNON
S285. The Religions of the Far East.—3 s.h.	MR. CANNON
S368. Seminar: American Religious Thought.—3 s.h.	MR. H. S. SMITH

*The following courses will be given in the Junaluska School of Religion, Lake Junaluska, North Carolina, July 15 to August 24, 1940:*

S301. Old Testament Theology.	MR. RUSSELL
S311. Life and Teachings of Jesus.	MR. RUSSELL
S323. Christian Thought since the Reformation.	MR. OUTLER
S328. Current Theology.	MR. OUTLER
S335. Modern Religious Leaders.	MR. GARBER
S367. The Curriculum in Religious Education.	MR. THOMPSON
S368. Worship and Training in Worship.	MR. THOMPSON
S381. Missions in the Modern World.	MR. CLARK
S386. Missionary Promotion.	MR. CLARK

For the work at Junaluska credits of three semester hours per course, not to exceed a maximum of six semester hours during the six-weeks term, are allowed qualified students toward the A.B. and B.D. degrees. For admission students should have the equivalent of senior standing in a standard college.

For bulletin and other information, address Professor Paul N. Garber, Director Junaluska School of Religion, Duke University, Durham, N. C.

**Note.**—The instructional staff of the Junaluska School of Religion is as follows:

PAUL NEFF GARBER, A.B., A.M., Ph.D.; Professor of Church History and Director of Junaluska School of Religion, Duke University.

ELMER TALMAGE CLARK, A.B., M.A., B.D., S.T.D., LL.D.; Assistant Secretary, Board of Missions of the Methodist Church.

ALBERT COOK OUTLER, A.B., B.D., Ph.D.; Assistant Professor of Historical Theology, Duke University.

ELBERT RUSSELL, A.B., A.M., Ph.D., Litt.D.; Professor of Biblical Interpretation and Dean of School of Religion, Duke University.

JAMES VOORHEES THOMPSON, A.B., B.D., Ph.D.; Professor of Religious Education, Drew Theological Seminary.

## SOCIOLOGY

Course S101 is a prerequisite to all other courses in the Department.

S101. General Sociology.—3 s.h.

MR. ELLWOOD (*Section 1*), MR. PRICE (*Section 2*), (*first term*)

MR. YODER (*second term*)

S112. Introduction to Child Welfare.—3 s.h.	MR. PRICE
S205. Social Pathology.—3 s.h.	MR. PRICE
S206. Criminology.—3 s.h.	MR. PRICE
S212. Child Welfare.—3 s.h.	MR. PRICE
S219. Urban Sociology.—3 s.h.	MR. THOMPSON
S220. Rural Sociology.—3 s.h.	MR. YODER
S319. Principles of Sociology.—3 s.h.	MR. ELLWOOD
S340. The Sociology of the South.—3 s.h.	MR. THOMPSON

### SPANISH

S1. Elementary Spanish.—3 s.h.	MR. DAVIS
S2. Elementary Spanish.—3 s.h.	MR. DAVIS
S3. Intermediate Spanish.—3 s.h.	MR. QUINN
S4. Intermediate Spanish.—3 s.h.	MR. QUINN
S65. Introduction to Modern Spanish Literature.—3 s.h.	MR. REID
S66. Introduction to Spanish Literature of the Golden Age.—3 s.h.	MR. LUNDEBERG
S255. The Contemporary Novel and Essay in Spanish America.—3 s.h.	MR. REID
S373. Seminar in Modern Spanish Novel.—3 s.h.	MR. LUNDEBERG

### ZOOLOGY

S100. Comparative Anatomy and Embryology of Vertebrates.—6 s.h.	MISS CULBRETH AND MISS JEFFERS
S225. Field Zoology.—Prerequisite: at least one year of zoology. 6 s.h.	MR. GRAY
S229. Endocrinology.—6 s.h.	MR. CUNNINGHAM
S219 or S353. Special Problems, Research.	MR. CUNNINGHAM MR. F. G. HALL MISS JEFFERS AND MR. JOHNSON MR. PEARSE MR. GRAY

*The following courses will be given at the Beaufort Marine Laboratory:*

S219 or S353. Special Problems, Research.	MR. F. G. HALL AND MR. BOOKHOUT
S251. Physiology of Marine Animals.—6 s.h.	MR. F. G. HALL
S274. Marine Zoology, with Special Reference to Invertebrates.—6 s.h.	MR. BOOKHOUT
S355. Biological Seminar.—1 s.h.	MR. BLOMQUIST, MR. BOOKHOUT, AND MR. F. G. HALL

# JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

LAKE JUNALUSKA, N. C.

JULY 15-AUGUST 24, 1940

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## INSTRUCTORS

PAUL NEFF GARBER

A.B., Bridgewater College; A.M., Ph.D., University of Pennsylvania  
*Director and Professor of Church History*  
DUKE UNIVERSITY

ELMER TALMAGE CLARK

A.B., Birmingham-Southern College; A.M., George Peabody College;  
B.D., S.T.D., Temple University  
*Professor of Missions*

ASSISTANT SECRETARY, BOARD OF MISSIONS, THE METHODIST CHURCH

ALBERT COOK OUTLER

A.B., Wofford College; B.D., Emory University; Ph.D., Yale University  
*Professor of Historical Theology*  
DUKE UNIVERSITY

ELBERT RUSSELL

A.B., A.M., Earlham College; Ph.D., University of Chicago  
*Professor of Biblical Interpretation*  
DUKE UNIVERSITY

JAMES VOORHEES THOMPSON

A.B., Wesleyan University; B.D., Drew Theological Seminary;  
Ph.D., Northwestern University  
*Professor of Religious Education*  
DREW THEOLOGICAL SEMINARY

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## JOINT COMMITTEE ON JUNALUSKA SCHOOL OF RELIGION

REPRESENTING DUKE UNIVERSITY

William Preston Few

Paul Neff Garber

REPRESENTING BOARD OF CHRISTIAN EDUCATION

William Fletcher Quillian

John Quincy Schisler

REPRESENTING BOARD OF MISSIONS

William Gliden Cram

Elmer Talmage Clark

# THE JUNALUSKA SCHOOL OF RELIGION

[AFFILIATED WITH DUKE UNIVERSITY]

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The Junaluska School of Religion is a joint enterprise under the direction of Duke University, the Board of Christian Education and the Board of Missions of the Methodist Church. It was established in 1928 to provide an opportunity during the summer months for religious workers and students to secure at the seat of one of the church-wide assemblies courses of study which could be credited on undergraduate and graduate degrees.

During the past twelve years students have been enrolled from the following groups: pastors, employed officers of Annual Conference Boards; officers of General Boards of the Church; professors of religious education and Bible in church-related colleges and universities; persons accredited as instructors in training schools; individuals desiring courses which would count on the Bachelor of Arts degree; graduate and theological students desiring courses to be credited on the Bachelor of Divinity degree.

The Junaluska School of Religion offers an unusual opportunity to pastors and directors of religious education who desire courses in line with the work they are doing, which will keep them abreast of the currents of thought in the religious world of today, and which will at the same time give them credit on college, university, and seminary degrees.

## RELATION TO SCHOOL OF RELIGION OF DUKE UNIVERSITY

Academic matters relating to the Junaluska School of Religion are in charge of the Faculty of the School of Religion of Duke University. The Junaluska School of Religion includes one summer term of the School of Religion of Duke University. Three members of the Faculty of the School of Religion serve on the Instructional Staff of the Junaluska School of Religion.

## CREDITS

All courses meet five times a week for eighty-minute periods. Each course satisfactorily completed will receive a credit of three semester hours. Two such courses may be taken by each student.

The credits secured for work done will be Duke University credits and will count on the Bachelor of Arts and Bachelor of Divinity degrees. These credits may, of course, be transferred to other colleges, universities, and theological schools in the same way that such transfer of credit is usually made. The credits will also be accepted on teachers' certificates.

## CALENDAR AND REGISTRATION

The thirteenth session of the Junaluska School of Religion will be held from July 15 to August 24, 1940. Recitations will be held five days in the week, all Saturdays except July 27 and August 24 being holidays. Monday, August 12, will be observed as Duke Day at Lake Junaluska.

Monday, July 15, is reserved for registration of students. Advanced registration may also be made through correspondence with the director. Regular classes will meet at 8:15 Tuesday morning, July 16. Registration will be held in the Educational Building, as will also all the class sessions.

The Educational Building is located on the western side of Lake Junaluska. The location near the lake provides students with an opportunity to do serious study in the midst of beautiful and inspiring surroundings.

## ADMISSION

All candidates for credit toward graduate and theological degrees must be graduates of colleges of recognized standing. College undergraduates who have completed the Junior year and who are ranked as incoming Seniors may also register for the courses and their credits will count toward the degree of Bachelor of Arts. A limited number of Juniors can enroll for credit in the courses, but not more than three Juniors are permitted in any one course.

## FEES AND EXPENSES

A general matriculation fee of \$10.00 is due at time of registration and a special fee of \$5.00 in each course for which the student registers. There is also a \$2.00 ground fee which is paid to the Lake Junaluska Assembly, Inc. The only other expenses will be those in connection with room and board. There is a fee of \$5.00 for auditors who desire only to audit the courses but without credit for the courses.

## HOTELS AND BOARDING HOUSES

There are a large number of hotels and lodging places at Lake Junaluska. The proprietors offer special rates to Junaluska School of Religion students. The rates vary with the accommodations desired.

The Board of Christian Education conducts a cafeteria and has dormitories in connection with the Educational Building for the convenience of students in the Junaluska School of Religion and in the Leadership Schools. Students desiring entertainment in these buildings should make reservation by writing to Mr. W. E. Hogan, Treasurer, Board of Christian Education, 810 Broadway, Nashville, Tennessee.

The Board of Missions operates the Mission Inn at Lake Junaluska. It is operated on the American Plan and can accommodate approximately two hundred persons. The Mission Inn offers all the accommodations found in modern resort hotels. It is equipped with elevator service. Because of the limited space in the Mission Inn all students planning to be



guests should make early reservations. Until June 1 correspondence concerning rates and reservations should be addressed to Mr. J. F. Rawls, Doctors Building, Nashville, Tennessee, and after that date to the Mission Inn, Lake Junaluska, North Carolina.

In addition to the dormitories of the Board of Christian Education and the Mission Inn there are other hotels and lodging places at Lake Junaluska. There are also available for rent during the summer season many desirable private cottages within a few minutes walk of the Educational Building. These cottages are furnished with water and lights and are equipped for light housekeeping. A trailer camp is also available.

## COURSES OF INSTRUCTION

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(*Note.* In the description of courses the following abbreviations occur: *Period A* means that the course comes the first eighty minutes daily, beginning at 8:15; *Period B* means that the course comes at the eighty-minute period beginning at 9:45; *Period C* means that the course meets an eighty-minute period daily, beginning at 11:15. All courses carry three semester hours' credit.)

**S201. Old Testament Theology.**—The religious and ethical teachings of the books of the Old Testament in their historical development. *Period B.*

PROFESSOR RUSSELL

**S211. The Life and Teachings of Jesus.**—Using the Synoptic Gospels as a basis, the teachings of Jesus on religious, ethical, and social subjects will be studied in an effort to understand his thought and his message to our day. *Period C.*

PROFESSOR RUSSELL

**S224. Christian Thought since the Reformation.**—The history of Christian thought from the beginning of the Reformation to 1900. *Period B.*

PROFESSOR OUTLER

**S228. Current Theology.**—A survey of the field of contemporary theology with special attention given to the most significant and influential movements of reconstruction and reaction in liberal Christianity. *Period C.*

PROFESSOR OUTLER

**S235. Modern Religious Leaders.**—A study of outstanding individuals who have influenced the thought and program of the modern church. The life, work and contributions of about twenty representative Christian leaders. *Period A.*

PROFESSOR GARBER

**S238. Methodism.**—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America and of the development of the several branches of the Methodist Church in America. *Period C.*

PROFESSOR GARBER

**S267. Making the Local Church Effective Today.**—An effort will be made to discuss the various factors related to making the local church vital in the affairs of the community. A critical appraisal of the main functions of the modern local church. *Period A.*

PROFESSOR THOMPSON

**S281. Missions in the Modern World.**—A survey of present religious conditions and the status of missionary work in the important mission fields; the great missionary agencies, their foundation and growth; social progress in home and foreign fields. *Period B.*

PROFESSOR CLARK

**S286. Missionary Promotion.**—The promotion of the missionary enterprise at the home base and abroad. *Period A.*

PROFESSOR CLARK

*Address applications or requests for information to*

PAUL N. GARBER

*Director of Junaluska School of Religion*

DUKE UNIVERSITY

Durham, North Carolina



# DUKE UNIVERSITY

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## DEGREES AND HONORS CONFERRED (1940)

### ROLL OF STUDENTS (1939-1940)

TRINITY COLLEGE

THE WOMAN'S COLLEGE

THE COLLEGE OF ENGINEERING

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

THE SCHOOL OF RELIGION

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE

THE SCHOOL OF NURSING

THE SCHOOL OF FORESTRY

## DEGREES AND HONORS CONFERRED (1940)

### A.B. DEGREE

Acer, Virginia Katharine	Browning, John Duron
Adams, Gwendolyn Hooge	Brush, Richard Felton
Ader, Paul Fassett	Butler, Jack Floyd
Akers, Nancy Anderson	Campbell, Virginia Rose
Albee, Fred Houdlett, Jr.	Carey, Charles Leo
Alden, Priscilla	Carter, James Walter, Jr.
Allen, Augustus Thomas, Jr.	Carver, Elizabeth
Allison, James Tyler	Chambers, Wave Maxine
Andrews, Sarah McLaurin	Chapman, John Franklin
Armstrong, Fred Williamson	Clarke, Finley Theodore, Jr.
Arnett, Evelyn Grace	Clements, Lillie Duke
Auld, Frederick Herron	Coble, Mary Fern
Auser, Ruth D.	Coburn, Geraldine
Averill, Mary Elizabeth	Cole, George Davis, Jr.
Babcock, Farrar Jeanne	Colsh, Doris Hadley
Bail, Florence Jane	Conner, Henry Clay, Jr.
Bailey, William Bradford	Conrad, Audrey Elizabeth
Bane, William Hormell	Conrad, Elizabeth
Banks, Albert Lawrence	Cooley, Erma Leone
Barnes, Julia Barbara	Cooper, Margaret Juletta
Barton, Lee Samuel	Cotter, Norman Bernard
Bass, George Carlton	Cox, Florence Steadman
Battle, Guy Arthur, Jr.	Craven, Clyde Rober, Jr.
Baylor, Norman Stanley	Crigler, John Fielding, Jr.
Beckel, Frank Louis	Culbreth, George Bernice
Benson, Mary Idelia	Culbreth, George Gordon
Berkeley, William Thomas, Jr.	Dameron, Isa Sills
Berner, Guy Pershing	Daugherty, Eloise M.
Bickell, Bernice Lane	Davenport, John Purinton
Blake, Donald Edward	Davis, Alice Gwynn
Blake, Peter James, Jr.	Davis, Laurine
Blanton, Neil Coron	Devendorf, Helen Carver
Blount, Maryanne	DeVolentine, Joel Monroe
Bolick, Evelyn	Dimond, Charles Leigh
Bond, Borden Ray	Dodge, Mary Stacy
Bone, Frank Cutchin	Dollard, John Taff
Borland, Frances Mason	Donnelly, John Reynolds
Boutwell, Rufus Cecil	Donnelly, Raymond William
Bowen, Elizabeth Jane	Douglass, Betty Randle
Bowman, James Spicer	Dube, Bertram James
Boyd, Annajane	Duncan, James Rankin, Jr.
Boyle, Mary Gene	Eagles, William McCoy
Brett, Lawrence	Eaves, William Howard
Brewer, Rosanna Jane	Eitner, Lorenz E. A.
Bridgers, Ben Cole, Jr.	Eldridge, Fred Phillips
Brinn, Rufus Timothy	Elias, Bernard Lane, Jr.
Britton, John Bossard, Jr.	Emmett, David William
Brown, Jean Louise	Enfield, Samuel Ernest
Brown, Kathleen Maidee	Erich, Frederick Walter
Brown, Nancy Gordon	Erickson, Elmer William

Eubanks, Ira Sankey, Jr.  
 Evans, Alona Elizabeth  
 Evans, Hazel Lenetta  
 Everett, Robert James  
 Exley, Francis Annette  
 Eyerly, Suzanne M.  
 Flentye, William Henry, Jr.  
 Fletcher, Theodore Roger  
 Fogleman, William Harry  
 Forrester, Roy William, Jr.  
 Forsberg, Raynor Morgan  
 Forssell, Gustav Frederick  
 French, Elizabeth White  
 Friedlander, Max  
 Fuston, Sam Del, Jr.  
 Gaines, Barbara Jeanne  
 Galbreath, Jack Baylor  
 Gambill, Helen Elizabeth  
 Gambke, Dolores Barbara  
 Gannon, Paul Thomas  
 Garlock, Harold George  
 Garrett, Norvin Wile  
 Garrick, Donald David  
 Gee, Claribel Nance  
 Gerard, Frank Hight  
 Gibson, Frances J.  
 Glass, Ann King  
 Glenn, Peggy Elizabeth  
 Goat, Arthur Fred  
 Goddard, Cornelia Margaret  
 Goddard, Frances Mae  
 Goldberg, Robert Abraham  
 Goldstein, Joseph Abraham  
 Goode, Thomas Vance, Jr.  
 Goree, Mary Louise  
 Gracely, Louise  
 Gray, Duncan Campbell  
 Griffin, Gerald Laurens  
 Gross, John Louis, Jr.  
 Gulley, Janet Bell  
 Gwyn, Anne Russell  
 Haas, Janet Elaine  
 Haas, Morton V., Jr.  
 Hacker, John Pierce, Jr.  
 Halsema, James Julius  
 Handeyside, Bruce Raymo  
 Hanig, William Fred  
 Hank, Oscar Charles, Jr.  
 Hanlon, Thomas Joseph  
 Hardie, Dwight Wooster  
 Harper, Marie Norene  
 Harrington, Amy Riser  
 Hart, Bertram Willoughby, Jr.  
 Hartman, Doris Kathrine  
 Hauser, Edward Michael  
 Heaton, Robert Earl  
 Hedrick, Willa Frances  
 Henry, Barbara Ann  
 Hiatt, Wilks Otho, Jr.  
 Himadi, David Ellsworth  
 Hobgood, Eleanor Belvin  
 Hodges, Virginia Nelson  
 Hoffman, William James  
 Holding, Willis Askew, Jr.  
 Hollyday, John Samuel  
 Hopper, Myrtle Eleanor  
 Horger, Eugene Leroy, Jr.  
 House, Ralph Dunford  
 Huck, William Richard  
 Hull, Burnett Norton  
 Huntoon, Mary Ricks  
 Hyde, Lorraine Olive  
 Inglis, Edward Sylvester  
 Ingram, Charles Hal  
 Izlar, Camille Willingham  
 Jaffey, Herbert  
 Jester, Norman Towson  
 Johantgen, Richard Francis  
 John, Winfield Clinton  
 Johnson, Allen Starling, Jr.  
 Johnson, Ida Kate  
 Johnson, Jeanette Sidney  
 Johnson, Marion Duke  
 Johnson, William Louis  
 Jones, Maggie Sarah  
 Jones, Martin Evans, Jr.  
 Jones, Ralph Jacob, Jr.  
 Joyner, Edna McDonald  
 Kasik, Charles, Jr.  
 Kelley, Maude Margaret  
 Kelly, Converse Beach  
 Kemper, Charles Alexander  
 Kendrick, Jaque Omer  
 Keppel, Ruth Gwaltney  
 Kerr, Walter James  
 Keusch, Allan William  
 King, Ann Lamb  
 King, Dorothy Rae  
 Knight, Helen Louise  
 Kramer, Betty Ellen  
 Kuhn, Harold Hunter  
 Laird, Martha  
 Lambeth, Ralph MacAulay  
 Lange, John Arthur  
 Laning, Eugene La Rue, Jr.  
 Lassiter, Mary Dearborn  
 Latimer, Clarence Vnette, Jr.  
 Lautz, Robert Warren  
 Lavington, Adele Frances  
 Lee, Francis Brown  
 Lee, Mary Nell  
 Lee, Yorke Houston  
 Leland, Stuart Brandon  
 Leopoldt, Richard Warren  
 Lewis, Philip  
 Linden, Edwin Robert



- Livermore, Anne Louise  
 Long, Dorothy Daniel  
 Long, Winifred  
 Lunsford, Foy Lee  
 Lunsford, Noni Jordan  
 Lutz, Marjorie Elizabeth  
 Lyle, John Robert  
 Lytzen, Geraldine  
 McCreery, Marjorie Graham  
 McFadyen, Betty Cannon  
 MacGillivray, Roswell Fred  
 McInnis, Alexander Nott, Jr.  
 McKenzie, Eleanor  
 McMillin, Elbert Raymond, Jr.  
 McNeilly, John Jere  
 Maddern, Whitby Kingston  
 Mailler, Barbara Russell  
 Malone, Thomas Patrick  
 Maltby, Lucius Foote, Jr.  
 Manning, Benjamin Everett  
 Mariani, Roland Guilio  
 Markham, Frank Turner  
 Marlowe, Rufus Edward  
 Mason, Virginia Baird  
 Matthews, Doris Adelaide  
 May, Stella Josephine  
 Medley, Doris  
 Meldrum, George Boysen  
 Melson, Thomas Warren  
 Melville, Lincoln Raymond  
 Mercer, Cassa Jay, Jr.  
 Merkel, Jean  
 Miller, Graham Conrad  
 Miller, Roy Paul  
 Miller, William Ellsworth, Jr.  
 Mitchell, Florence Ballantyne  
 Moehring, Wallace Oher  
 Montague, Margaret Emily  
 Moore, James LeGrand  
 Morel, Edward La Salle  
 Morgan, Horace Lee  
 Morningstar, James Irvin  
 Morrow, Thomas Camill  
 Mowry, Betty Jane  
 Mowshowitz, Lillian Polachek  
 Muelenaer, Andre Albert  
 Murphy, Jeanne Dorothea  
 Neill, Dugald Tucker  
 Nelson, Frances Mae  
 Neuburger, Robert Frank  
 Neushul, Maxine  
 Newlin, Charlotte Case  
 Ondek, Olga Othelia  
 O'Neil, Robert Edward  
 Onken, Frederick Ludwig, Jr.  
 Owen, Murray Harris, Jr.  
 Page, Hugh Alexander, Jr.  
 Palmer, Jack Keith  
 Paradies, Evelyn Gloria  
 Pardo, Leonor Elizabeth  
 Park, Robert Laughlin  
 Parker, Richard Joseph, Jr.  
 Parrott, Leone Hines  
 Parsons, William Kantner  
 Peabody, Arthur William  
 Penfield, Addison Pierce  
 Perkins, Martha Shannon  
 Peters, William Darius  
 Pierce, Abigail Ellen  
 Pierce, Frank Chevallie  
 Plyler, Grace  
 Porritt, Dorothy Elizabeth  
 Powers, Leonard Stewart  
 Price, Theodore Edwin  
 Ralston, Adolph Henry  
 Range, James Jacob  
 Rankin, Minnie McCorkle  
 Raper, Nancy Louise  
 Ratliff, Cliff, Jr.  
 Raup, Margaret Anne  
 Rauschenberg, Ann Pope  
 Ray, Prudence Ann  
 Reisner, William Harry, Jr.  
 Reynolds, John Bradley  
 Reynolds, Thomas Davies  
 Rice, Robert Coleman, Jr.  
 Richards, John Wendell  
 Richardson, John Woodward, Jr.  
 Riley, William Joseph, III  
 Robb, Spencer Hamilton  
 Roberts, William Wallace  
 Robinson, Theodore Montgomery  
 Rogers, Evelyn Still  
 Rohrer, Helen Louise  
 Rowley, Kenneth Johnson  
 Ruff, Gordon McAllister  
 Ruskin, Richard Allan  
 Russell, Henry Hawley  
 Ryan, Laurette Alice  
 Sally, William Albert  
 Shiffer, Eileen Anna  
 Schlear, Edward Kenneth  
 Scott, Sara Elizabeth  
 Scudder, Harriet Ellen  
 Searight, Henry Brown  
 Seawell, Lee Anne  
 Secrest, Lillian Asbury  
 Shackford, Margaret Jackson  
 Shane, Robert Clark  
 Shoaf, Francis Arista, Jr.  
 Simmons, Clarence Frederick, Jr.  
 Simmons, Jessie Steele  
 Singleton, George Washington  
     Freeman  
 Slaughter, Anne Walker  
 Smith, Marjorie Frances

Smith, Robert Ross  
 Smitheal, Burney  
 Snyder, George K.  
 Sommers, Paul Adams  
 Sommers, Suzanne  
 Souders, Floyd Benton  
 Spence, Mary Virginia  
 Sprinkle, Elizabeth Alliene  
 Stearns, James Coleman  
 Stetler, Nevin  
 Stivers, Robert Winthrop  
 Stone, George Henry, Jr.  
 Stone, Zeb Judd  
 Strausbaugh, John Dean  
 Strickland, Frederick Paul  
 Strickland, Roscoe Lee, Jr.  
 Stull, Richard John  
 Summerville, Alexander  
 Sundholm, Alma Edwina  
 Sutherland, Archie Reid  
 Sweeney, John William, Jr.  
 Swindell, Edmund Slade, Jr.  
 Sykes, Anne  
 Tally, Joseph Oscar, Jr.  
 Teichmann, Henry Frederick, Jr.  
 Thomas, Hope Arishia  
 Thomas, John Howard  
 Thompson, Diana  
 Thompson, Evan Lewis  
 Tilley, Miriam Estelle  
 Tipping, Hazel Ruth  
 Tischler, William Warren  
 Tolson, Edward Lawrence, Jr.  
 Toppin, Bertha Emma  
 Townsend, Roswell George  
 Trabue, Douglas Small  
 Tucker, Helen Anne  
 Turner, Stanley John  
 Unger, Maurice Albert  
 Van Sciver, Evelyn  
 Vaughan, James Robert, Jr.  
 Veal, Curry Speed  
 Vernon, Leonard Joseph  
 Vogdes, James McAllister, Jr.  
 Wade, Henry King, Jr.  
 Wagner, Charles Norval Whaler  
 Wagner, John William, Jr.  
 Wagner, Walter  
 Wall, George W., Jr.  
 Wallace, Jean Loretta  
 Walter, Edward Henry  
 Wanzer, Charles Robert  
 Ward, Margaret M.  
 Ward, Thurman Robert  
 Ware, Kathryn Byrne  
 Warner, Polly Russell  
 Watson, Jack Lawrence  
 Watson, Walter Brown  
 Weith, Archie James, Jr.  
 Welch, John Tyler  
 Wertz, Doris Elise  
 West, Catharine  
 West, George Collins, Jr.  
 Whisnant, Helen  
 Whitaker, Bessie Leigh  
 White, Mildred Shreve  
 Wiggins, Elizabeth Sydnor  
 Williams, Hatcher Crenshaw  
 Williams, Linwood Roger  
 Williams, Sam Charles  
 Williamson, James Clay, Jr.  
 Wilson, Eugene Glass  
 Winteron, Howard Martin  
 Wolf, Jerome Douglas  
 Wolford, Isabelle Hamlin  
 Womble, Edith  
 Woodall, Lucille Hettie  
 Wooddy, Arthur Overton  
 Worsham, Margaret Louise  
 Worth, Thomas Clarkson, Jr.  
 Wylie, Marvin Miller  
 Wynn, Carlton Terrell  
 Yon, Betty  
 Young, Jessamine  
 Zavlaris, Peter B.

## B.S. DEGREE

Brooks, Clyde Speer, Jr.  
 Cogswell, Sumter Aldage  
 Crumpacker, William Johnson  
 Guerry, Davenport, Jr.  
 Hastings, Thomas Johnson, Jr.  
 Heller, Robert Chester  
 Jenkins, William Adrian, Jr.  
 Levy, Herbert Fies  
 Moffett, Robert Preyer  
 Rice, Ruth Harriet  
 Sutton, Thressa Dale  
 Vinson, John William  
 Wert, Robert Wesley

*In Civil Engineering*

Groesbeck, William Francis  
 MacLauchlan, John Donald, Jr.  
 Mitchell, Phil, Jr.

*In Electrical Engineering*

Barden, James Floyd, Jr.  
Byrum, John Franklin  
Dorsey, George Allan  
Griswold, Augustus Wharton

Kellermann, George Harvey  
McCalip, Curtis Edgar  
Rutledge, John Clifton

*In Mechanical Engineering*

Abbott, Ward Davis  
Carter, Everett Adelbert  
Fyles, Cleveland Saunders  
Gingland, Richard Parsons  
Gregson, Jack Rogers  
Pepler, John Ray

Pierce, John Harvey  
Robertson, James Victor  
Schaidt, Leander, Jr.  
Schmidt, Howard Oskar  
Varga, George Francis  
Woollard, Donald Edward

*In Nursing*

Alexander, Ruth Brinkley  
Bagby, Virginia Shuford  
Bryant, Carl Denyse  
Clay, Isa Telford  
Cobb, Zula Speight  
Crowell, Alucia  
Gandy, Martha Virginia  
Hines, Margaret Louise  
Hinshaw, Esther Aileen  
Jones, Nancy Harriette

Makely, Antoinette G.  
Massenburg, Sue White  
Painter, A. Isabel  
Parker, Esther McKnight  
Parks, Sula Barbee  
Rabb, Sarah Iris  
Rearden, Laureen Harris  
Weeks, Charlotte May  
Wilkinson, Elizabeth Hanes

*In Medicine*

Brown, Ivan Willard, Jr.  
Collins, Cecil Curtis, Jr.  
Finner, Richard Webster

Nesbitt, William Reynolds, Jr.  
Steiger, Howard Paul

## A. M. DEGREE

Alexander, Ellen  
Amore, Salvatore Thomas  
Andrews, Mary Ruth  
Barber, Veva Alberta  
Barrett, William Robert, Jr.  
Baxt, Victor Joseph  
Biggerstaff, Frank Malcolm  
Black, Mercedes A. Saez  
Boatwright, Eleanor Miot  
Boyer, Charles Chester  
Brown, Mary Ellen  
Buck, Walter Roger, III  
Burhans, Allison Stilwell  
Butts, Virginia Frye  
Carper, Doris Viola  
Caskey, James Edward, Jr.  
Cleveland, Vela Howell  
Cole, Elfrieda Louise  
Condron, Clara Mae  
Craig, Ruth Winifred  
Curington, Orrel Vivian  
Decker, John Peter  
Dibeler, Vernon Hamilton  
Doby, Julia Lillian  
DuBose, Charles Gerald

Edwards, Allen Braxton  
Fitzgerald, Mary Frances  
Fleming, Dorothy Hight  
Frey, Ellen Frances  
Garrison, John Leland  
George, Charles William  
Gladfelter, Charles Herbert, Jr.  
Godbold, John Jake  
Goertz, Clare Marian  
Greene, John Thomas  
Guy, John Ansley  
Hamsher, Carl Miller  
Hanes, Virginia Lee  
Harrison, Mary Elizabeth  
Heilman, Carl Ernest  
Helm, Robert Meredith, Jr.  
Henley, Mary Clifton  
Herring, Benjamin Marshal  
Hightower, John Devereaux  
Hoagland, Elizabeth  
Huntley, Dorothy Bell  
Hutchinson, Lois Bernice  
Jennings, Louis Girton  
Johnston, Robert Ward  
Keene, Thelma Beazley

Kilmer, Hulda	Rosser, Lillian Evelyn
Kinlaw, Sara Lorine	Rutledge, Ivan Cate
Lethbridge, Berry Bicombe, Jr.	Schultz, Harold
Levy, Edward David	Scott, Worthy Kincaid, Jr.
Lewis, Florence L'Dora	Simmons, Willard Russell
Lewis, James Howard	Singletary, Mary Leora
Long, John William, Jr.	Slay, James Matthew
McAlpine, Paul Hamilton	Slone, Jewell Edwina
McCaslin, Phoebe Elizabeth	Spencer, Dale Kirk
Marston, Frederic Carver, Jr.	Steelman, Max Randolph
Massey, Calvin LeRoy	Stewart, Paul Dekker
Mattocks, Millicent Elizabeth	Stewart, Truman Joel
Meredith, Evelyn Caroline Tucker	Still, Evedon Howell
Mickle, Walter Alvin, Jr.	Sturm, Albert Lee, Jr.
Ostwalt, Jay Harold	Styer, Mildred Miller
Owen, Ray Anderson	Swicegood, Ella Mae Cox
Owens, William Hector	Tanner, Martha Malinda
Parker, Anne Elizabeth	Tate, Russell Sage, Jr.
Pedersen, Peder Malvin	Teagarden, Lucetta Jane
Phillips, Beula Mayra	Tolbert, Nancy Undine
Potts, Charlie Kinchin	Waite, Edwin Emerson, Jr.
Powell, Annie Mae	Waltcher, Irving
Prouty, Leonard Augustus	Warren, Ida Leane
Rand, Robert Collom	Weaver, Mary Virginia
Rapp, Marvin August	White, Harry Arthur
Reavis, Rebecca Ann	Whitener, Catherine Viola
Richards, Claud Henry, Jr.	Wiggins, Elizabeth Lewis
Roberg, Jane	Williams, Rose Elizabeth
Robertson, Alfred Parkhill	Wolf, Mary Hubbard
Robinson, Blackwell Pierce	Wood, Mary Rose
Robinson, Frances	

## M.ED. DEGREE

Barber, Daniel Clyde, Jr.	Jones, William Robert
Bee, Carl Edward	Keene, Ellis Leaman
Bryan, Colgan Hobson	Keller, William Wates
Burdette, Orral Lorain	Knobeloch, Dorothy Elsa
Burgess, John Evans	Ledbetter, Jap
Caudill, Dennis D.	Lindsay, Charles Stuart
Crockett, Cora Mae	McCabe, Vance Alvin
Douglas, Nelle Chappell	McDaniel, Louise Dozier
Dowd, Orren Edwards	McGuire, Velma Ruth
Dozier, Vernon Elliott	Mathews, John Cornelius, Jr.
Finklea, John James, Jr.	Metz, Earl Clarence
Galphin, Annie Louise	Nichols, Bertha
Gerow, James Anthony	Pafford, Waldo Cecil
Gillingham, Samuel Wilson	Palmer, Perry Robert
Hagaman, Jake George	Parker, John Harry
Harper, Eunice Virginia Mitchell	Parnelle, Mildred
Hawthorne, Mark Fant	Phillips, Dorothea Jo
Helm, James Thomas, Jr.	Porter, Gilbert Rodman
Hendren, Albert Lee	Pratt, Francis Marion
Hess, Harvey Carleton	Pratt, George Thomas
Hodges, Carl V.	Ratcliff, Billy Orville
Hozik, Michael	Richardson, John William, Jr.
Hunter, Merle Wallace	Richmond, John Doody
Hurley, Myrtis Tilden	Robinson, Thomas Eugene
Hutchinson, Merrill Eugene	Schaller, Charles Burnett

Sims, Alice  
 Skiles, Amos F.  
 Slacum, Emerson Phillips  
 Smith, William Arthur  
 Stone, Henry Clarence  
 Swearingen, Mildred Emily  
 Terry, Charles Edwin, Jr.  
 Warren, John Sharpe  
 Weller, Wayne

White, Frank Dudley  
 Williams, Margaret Lawrence  
 Williams, Olan Yarnall  
 Williams, Roger Augustus  
 Wilson, Joseph Bobula  
 Woodruff, Margaret  
 Wylie, Claude  
 Young, William Vincent  
 Zarfoss, L. Harold

## MASTER OF FORESTRY DEGREE

Adman, Andrew George  
 Adsit, Francis Wayne  
 Andrews, Leslie Kearns  
 Beasley, William Lee, Jr.  
 Beck, Clifford William  
 Boggess, William Randolph  
 Carlton, John Buford  
 Crumpacker, William Johnson  
 Hermelink, Herman Milton

Jones, William Curry, Jr.  
 Knorr, Philip Noel  
 Lynch, Donald Walton  
 McWilliams, John Scott  
 Miller, Ira Malcolm  
 Scholtes, Wayne Henry  
 Smith, Robert Lewis  
 Steirly, Charles Cornell

## B.D. DEGREE

Andrews, William Ed  
 Arbaugh, Robert Newton  
 Bagby, Steadman  
 Barrs, William Kenneth  
 Brady, William Herman  
 Brown, Raymond Odell  
 Bustle, Wade Robert  
 Crutchfield, Finis Alonzo, Jr.  
 Dodge, William Wesley  
 Foley, Lemley Peter  
 Freeman, Ralph Lexie

Fulton, John William  
 Hickman, Victor Ralph  
 Kelley, Marvin Hess  
 Kiker, Seaborn Martin  
 McLeod, Walter Grey  
 Milstead, Harold Ashton  
 Pittard, Jesse Leo  
 Reichard, James Charles  
 Richardson, Henry Powell  
 Weinland, David Eugene

## LL.B. DEGREE

Adams, Margaret Louise  
 Arnold, Herman Ross, Jr.  
 Beattie, F. John M.  
 Daniels, George Neil  
 Foster, Elliott Orman, Jr.  
 Garber, Murray Roger  
 Gracey, Hugh Catron  
 Harris, Roger Kennedy  
 Hassel, Merrill Lynnwood  
 Hayes, Johnson Jay, Jr.  
 Hendricksen, Burnell Howe  
 Hovey, George Dunmore  
 Josephs, Alex Rustin  
 Keene, Spotswood Hughes  
 Klein, Joseph J.  
 Koop, Charles Thomas  
 Laufer, Joseph  
 Little, James Crawford, Jr.

McCoy, John O.  
 Malmquist, Tord Vincent  
 Missal, Harold Milton  
 Moore, John Shelby  
 Page, Hugh Alexander, Jr.  
 Pope, Albert Harrell  
 Poyner, James Marion  
 Raub, Benjamin Dimmick, Jr.  
 Rouzer, Elmer Ellsworth  
 Shepard, James Schumann  
 Stone, Russell DeLeon  
 Tunnell, Robert White  
 Turner, Charles Fletcher  
 Vandeburgh, Edward C., III  
 Wanless, Julian Thor  
 Weinstein, Maurice A.  
 Welfare, Bradley Lamar, Jr.

## LL.M. DEGREE

Carswell, Robert McClean, Jr.



## M.D. DEGREE

Anderson, Norman LaRue	Maness, Paul Franklin
Andrus, Frederick H.	Margolis, George
Badgley, Waldo Otis	Margolis, Lester Henry
Baeder, Frederick Nelson	Miller, Robert Plato
Bateman, Oliver Jerome, Jr.	Mills, Wardell Hardee
Bonser, William H.	Moss, John Edward
Brown, Ivan Willard, Jr.	Nixon, Robert Read
Brown, R.	Paquet, Joseph Freeman
Campbell, Robert van Liew	Poole, Pierre Patillo
Collins, Cecil Curtis, Jr.	Roberts, Rufus Winston, Jr.
Conforti, Victor Patrick	Rundles, Ralph Wayne
Etter, Harry S.	Rutherford, Robert Thornton, Jr.
Finner, Richard Webster	Sapp, Clarence Joseph
Fisher, William Henry, Jr.	Shields, Richard Allen, Jr.
Ford, Joseph B., Jr.	Simpson, Paul Ervin
Fulmer, William Henry	Sotirion, George Arthur
Gibbons, Julius J., Jr.	Speir, Ross Clarence, Jr.
Goddard, David Watson	Steiger, Howard Paul
Goodman, E. G., Jr.	Taylor, Harvey Grant
Haines, Risley Frith	Thornhill, Patti Marie Sills
Harris, Willis Wilbur	Tullis, James Lyman
Harshman, Leroy Day	Tupper, James Arthur
Hawkins, William Carter	Venning, William Lucas, Jr.
Hiatt, Joseph Spurgeon, Jr.	Wall, George Ritchie
Johnson, Rolf Elmo	Walsh, Robert Eugene
Kelley, James Woodruff	Welch, Jack Hamill
Kostant, George Harold	Whitley, Robert Macon, Jr.
Kuhn, Harold Hunter	Wood, Robert Cary
Lourdeaux, Stanley Joseph	Woodruff, William Egleston

## DIPLOMA IN NURSING

Allan, Margaret	Malone, Ernestine L.
Bagby, Virginia Shuford	Morison, Marietta Pauline
Boone, Evelyn	Painter, A. Isabelle
Brake, Thelma Ruth	Parker, Esther McKnight
Bruffey, Jean Erle	Paynter, Marcella B.
Bryant, Carl Denyse	Ray, Dorothy Jane
Clay, Isa Telford	Wagner, Josephine Ida
Gandy, Martha Virginia	Weaver, Martha Baird
Hinshaw, Esther Aileen	Weeks, Charlotte May
Jones, Nancy Harriette	Wilkinson, Elizabeth Hanes
Makely, Antoinette G.	

## PH.D. DEGREE

- Anderson, Marcia Lee, A. B., Bryn Mawr College; A.M., Duke University.  
Dissertation: *John Webster's "The White Devil" and "The Duchess of Malfi": A Critical Study.*
- Bennett, Walter Hartwell, A.B., University of Richmond; A.M., Duke University.  
Dissertation: *American Concepts of Federalism from the Colonial Period to 1900.*
- Breslow, David Samuel, B.S., College of the City of New York.  
Dissertation: *An Investigation of the Perkin Reaction and of Certain Related Condensations.*



- Canaday, Ernest Franklin, A.B., William Jewell College; A.M., University of Missouri.  
Dissertation: *The Sum of the Divisors of a Polynomial.*
- Causey, Nelle Bevel, B.S., College of the Ozarks; A.M., University of Arkansas.  
Dissertation: *Ecological and Systematic Studies on North Carolina Myriapods.*
- DeTurk, William Ernest, A.B., A.M., University of Illinois.  
Dissertation: *The Parasites and Commensals of Some Crabs of Beaufort, North Carolina.*
- Duke, Kenneth Lindsay, A.B., Brigham Young University.  
Dissertation: *The Germ Cells of the Rabbit Ovary from Scx Differentiation to Maturity.*
- Ewing, Thomas Newell, Jr., A.B., DePauw University; A.M., Syracuse University.  
Dissertation: *A Study of Certain Factors Involved in Changes of Opinion in Social Situations.*
- Gier, Leland Jacob, B.S., M.S., Kansas State Teachers College.  
Dissertation: *Root Systems of Bright Belt Tobacco.*
- Gilbert, Paul Wilner, A.B., A.M., University of Rochester.  
Dissertation: *N-to-One Mappings of Linear Graphs.*
- Hadley, Elbert Hamilton, B.S., M.S., University of Michigan.  
Dissertation: *A Study of the Vapor Phase Fluorination of Methane.*
- Luttrell, Everett Stanley, B.S., University of Richmond; A.M., Duke University.  
Dissertation: *The Morphology and Development of Some Fungi Parasitic on Trees within the Duke Forest.*
- Martin, Abram Venable, Jr., A.B., Presbyterian College.  
Dissertation: *Monotone Transformations of Non-Compact Two-Dimensional Manifolds.*
- Maryott, Arthur Allen, A.B., Duke University.  
Dissertation: *The Electric Polarizations and Dipole Moments of Some Organic Compounds.*
- Morris, William Lind, B.S., Carnegie Institute of Technology; M.S., University of Pittsburgh.  
Dissertation: *Kinetic-Harmonic Systems.*
- Mumford, Carey Gardner, A.B., Wake Forest College; A.M., Duke University.  
Dissertation: *Topics in Double Fourier Series.*
- Nelson, Melvin Frederick, B.S., Mississippi State College; A.M., Municipal University of Omaha.  
Dissertation: *The International Status of Korea, 1876-1910.*
- Plantinga, Cornelius A., A.B., Calvin College; A.M., University of Michigan.  
Dissertation: *The Personalist Philosophies of William Stern and Philipp Kohnstamm.*
- Stroven, Carl Gerhardt, A.B., A.M., Stanford University.  
Dissertation: *A Life of Charles Warren Stoddard.*
- Stuckey, James Morlan, B.S., Centenary College; A.M., Duke University.  
Dissertation: *The Vapor Pressures of Some Organic Compounds.*
- Taylor, Charles Theodore, B.S., University of Arizona; A.M., Duke University.  
Dissertation: *Some Relationships between the Size of the City and Per Capita Governmental Cost and Debt.*

Toole, Eben Richard, B.S., New York State College of Forestry; A.M., Duke University.

Dissertation: *Mimosa Wilt Caused by Fusarium Perniciosum Hepting.*

Young, DeWalt Secrist, A.B., Cornell College; A.M., Duke University.

Dissertation: *The Vapor Phase Fluorination of Certain Organic Compounds and a Detailed Study of the Influence of Progressive Nitrogen Dilution in the Case of Ethane.*

## HONORARY DEGREES

*Doctor of Laws*

Luther Pfahler Eisenhart                      Hu Shih  
John Wesley Hanes

*Doctor of Divinity*

Costen Jordan Harrell

## HONORS IN GRADUATING CLASSES

*Summa Cum Laude*

Beckel, Frank Louis                              Secrest, Lillian Asbury  
Eitner, Lorenz E. A.                              Townsend, Roswell George

*Magna Cum Laude*

Bail, Jane    Dimond, Charles Leigh  
Battle, Guy Arthur                              Evans, Alona Elizabeth  
Gyrum, John Franklin

## HONORS IN DEPARTMENTS AND SCHOOLS

Chemistry—Sumter Aldage Cogswell, Davenport Guerry, Jr.  
Economics—William Arthur Berger, Charles Leigh Dimond, Roswell George  
Townsend, Doris Elise Wertz  
English—Lorenz E. A. Eitner, Paul Fassett Ader, Guy Arthur Battle, II,  
Virginia Nelson Hodges, Sarah Elizabeth Scott, Curry Speed Veal  
History—James Julius Halsema  
Political Science—Doris Kathrine Hartman  
School of Law: to be graduated with distinction—Joseph Laufer, Albert Har-  
rell Pope, Benjamin Dimmick Raub, Jr., Murray Roger Garber  
School of Medicine: Election to *Alpha Omega Alpha*, Honorary Fraternity—  
Ivan Willard Brown, Jr., R. Brown, James Woodruff Kelley, George Har-  
old Kostant, Ralph Wayne Rundles, William Lucas Venning, Jr.  
School of Nursing—Margaret Allan, Carl Denyse Bryant, Antoinette G.  
Makely, Elizabeth Hanes Wilkinson

## JUNIOR HONORS

Beckel, Samuel Sonerville	Hadsell, Jess Lee
Beller, Sidney	Hoover, Carol Faith
Buschow, Mary Ellen	Kueffner, Rose
Campbell, Virginia Alice	Lang, Cecil Yelverton
Chase, Sarah	Leeper, William Edward, Jr.
Curry, Robert Whitney	Moise, Francis Marion, Jr.
DeLaney, Ernest Stanhope, Jr.	Murdick, Robert Gordon
Drew, William Donald	Porterfield, Bettilu
French, John Martin	Rodenbough, Kathryn Louise
Gary, Ethel Almira	Schoonover, Carl Meredith, Jr.
Gregory, Anna Elizabeth	Seeley, Carolyn Ada
Gross, Jean Talbot	Smith, Elizabeth Marie

Smith, Shirley Louise  
 Stanley, Horace Goodman  
 Tuten, Bruce Ladson  
 Vickers, Ronald

Wagner, Carol June  
 Ward, Peter  
 Young, Martha Anne

## SOPHOMORE HONORS

Baldwin, Anna Kate  
 Barringer, Paul Jehu, Jr.  
 Brandon, Daniel Morris  
 Cantor, Deborah  
 Deal, Carl Hosea, Jr.  
 Everett, Robert Rivers  
 Fritz, Wilton George  
 Gaither, Katherine Elizabeth  
 Haile, Emma Virginia  
 Holton, Samuel Melanchthon  
 Jones, Barney Lee, Jr.

Kenion, Alonzo Williams  
 Montgomery, Frances Kathryn  
 Myers, Richard Tennyson  
 Ochsenreiter, Edward John  
 Palumbo, Leonard, Jr.  
 Partenfelder, Betty Rose  
 Smith, William Bulkeley  
 Somerville, Donald Leonard  
 Stoodly, Rosemary  
 Waters, Sara Jane

## FRESHMAN HONORS

Bopp, Henry William  
 Bracken, Audrey Olive  
 Brown, Richard Arnold  
 Cooper, Karleen Bettie  
 Harawitz, Benedict Richard  
 Kennedy, John Wesley  
 McElroy, Mary Virginia  
 Moseley, Daniel DuPre  
 Moylan, John Dudley  
 Pohl, Marian Evelyn

Price, Eva Louise  
 Read, Thomas  
 Strotz, Robert Henry  
 Taylor, Elizabeth McCaw  
 Thomas, James Kenneth  
 Treleaven, Harry William  
 Walker, Howard George, Jr.  
 Watkins, William Thurman, Jr.  
 Webster, Mary Stuart  
 White, Hayes MacMurray, Jr.

# ROLL OF STUDENTS 1939-1940

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## TRINITY COLLEGE FRESHMAN CLASS

Abernethy, Lee Davidson, Jr.	Charlotte, N. C.
Achuff, Delbert Leroy	Brooklyn, N. Y.
Adamson, Robert Emory	Jacksonville, Fla.
Aderholdt, Daniel F.	Salisbury, N. C.
Ahara, Howard Bates	Evanston, Ill.
Alexander, James Gladden	Lakewood, O.
Alspach, William Joseph	Cincinnati, O.
Alston, William Merideth	Henderson, N. C.
Anderson, John Frederick	Seattle, Wash.
Andrews, William Reid	Washington, D. C.
Ansbro, William Bernard, Jr.	Red Bank, N. J.
Armstrong, James Edward, Jr.	Royal Oak, Mich.
Autry, Paul Geddie	Fayetteville, N. C.
Baer, Julius Arthur, II	St. Louis, Mo.
Ballard, David Leon	Ellerbe, N. C.
Bates, William, Jr.	Philadelphia, Pa.
Baynes, Walter Wright, Jr.	Winston-Salem, N. C.
Beede, Royal Lindsay	Ossining, N. Y.
Beeghly, John David	Youngstown, O.
Benoit, John Henry	New York, N. Y.
Berg, Roy Gene	Plainfield, N. J.
Berté, Stephen Joseph	Brooklyn, N. Y.
Bird, Robert Calvin, Jr.	Greenville, Tenn.
Birkelo, Carl Heggen	Detroit, Mich.
Black, Julian Rigler	Charlotte, N. C.
Blake, Curtis Livingston	Springfield, Mass.
Blight, Howard Rodger	Bridgeport, Conn.
Bloxom, Robert Norris	Mappsville, Va.
Bluefeld, Curt, Jr.	Nutley, N. J.
Boehm, Kenneth Everett	East Orange, N. J.
Boger, Richard Edwin	Charlotte, N. C.
Boggs, James Samuel	Circleville, O.
Bond, Lewis Franklin, Jr.	Washington, D. C.
Booker, James Franklin	Waynesboro, Va.
Bopp, Henry William	Terre Haute, Ind.
Bouse, Samuel Garner	Ambler, Pa.
Bowman, James Clair	Gladstone, N. J.
Brackett, Harrison Fuller	Barnstable, Mass.
Branscomb, Bennett Harvie, Jr.	Durham, N. C.
Brewer, Curtis Evaster	Chapel Hill, N. C.
Bristow, William Lincoln	Philadelphia, Pa.
Browder, Bannister Randolph	Winston-Salem, N. C.
Brown, Richard Arnold	Aurora, Ill.
Bryan, Dillard Bass	Durham, N. C.
Bulger, Kyrn White	Milton, Mass.
Bullock, Harvey Reade	Binghamton, N. Y.
Buonocore, Frank Ralph	Torrington, Conn.
Burbank, Daniel Norman	Washington, D. C.
Burns, Thomas Edward	Asheville, N. C.
Burrows, Charles Frederick	Pelham Manor, N. Y.

- Butler, James Jamison  
 Butner, Bobby Jean  
 Bynum, Fred Williamson, Jr.  
 Caldwell, Jay Baxter  
 Campbell, Alton Gailey  
 Campbell, Archibald James  
 Campbell, Strouse, II  
 Carlozzi, Charles Raymond  
 Carney, Franklyn Kenneth  
 Carrell, John Robert  
 Carson, Robert Stephenson  
 Carter, Russell Lawrence  
 Carter, Wilton Snowdon, Jr.  
 Casey, Timothy Michael  
 Chambers, Robert George  
 Chapin, John Estes  
 Chaput, Robert John  
 Cheatham, Leonard William, Jr.  
 Clark, Edward Lewis  
 Clifford, Thomas Norman  
 Cline, John Maxwell  
 Cole, William Raymond  
 Colella, Robert Alphonsas  
 Collins, James Mount  
 Correll, John Lee  
 Courtney, Marcus Vincent  
 Cowan, Eben Edward  
 Cox, Charles Vincent  
 Coyle, William Johnson  
 Coyte, Lawrence Malcolm  
 Cozart, Wiley Holt  
 Crane, Henry Hitt, Jr.  
 Crigler, Norris Wolf  
 Crisp, Thomas Benton  
 Cuthrell, John Arrington, Jr.  
 Dale, Francis Lykins  
 Damon, Robert Whitcomb  
 Danilowicz, Henry Julius  
 Dannelley, Frank H.  
 Dant, James Kelly  
 Davenport, Joseph Blount  
 Davis, Edward Maurice  
 Davis, George Thomas  
 Dawson, John A., Jr.  
 Deane, Disque Dee  
 DeLapp, William Evans  
 DeLong, Thomas Stover  
 Dempsey, Luther Edgar, Jr.  
 DeNio, Arthur Edward  
 Dennis, William Baker  
 Devonshire, James Francis  
 Dixon, Wright Tracy, Jr.  
 Dixon, Francis Rogers  
 Dodd, Rufus Burton  
 Doherty, Andrew Joseph, Jr.  
 Donahue, Irvine Nelson, Jr.  
 Dougherty, Eric Schoonmaker  
 Doyle, William Findlay  
 Driver, Floyd Linwood  
 Ducker, Edward Sease  
 Wilkes-Barre, Pa.  
 Bethania, N. C.  
 Rockingham, N. C.  
 Concord, N. C.  
 Raleigh, N. C.  
 Round'O, S. C.  
 Columbus, O.  
 Lyndhurst, N. J.  
 Highland Park, Mich.  
 Dallas, Texas  
 Orlando, Fla.  
 West Hartford, Conn.  
 Pikesville, Md.  
 Concord, N. H.  
 Jackson Heights, N. Y.  
 Rochester, N. Y.  
 Royal Oak, Mich.  
 Durham, N. C.  
 Bellevue, Pa.  
 Rodgers Forge, Md.  
 Durham, N. C.  
 Kingston, N. Y.  
 Durham, N. C.  
 Lakeland, Fla.  
 Winston-Salem, N. C.  
 Charlotte, N. C.  
 Springdale, Conn.  
 Shaker Heights, O.  
 Carlisle, Pa.  
 Louisville, Ky.  
 Fuquay Springs, N. C.  
 Detroit, Mich.  
 Charlotte, N. C.  
 Chevy Chase, Md.  
 Durham, N. C.  
 Portsmouth, O.  
 West Concord, Mass.  
 Nanticoke, Pa.  
 Robstown, Texas  
 Washington, Ind.  
 Windsor, N. C.  
 Bristol, Tenn.  
 Wilson, N. C.  
 St. Petersburg, Fla.  
 New York, N. Y.  
 Lexington, N. C.  
 Reading, Pa.  
 Greensboro, N. C.  
 Detroit, Mich.  
 Henderson, N. C.  
 Carney's Point, N. J.  
 Raleigh, N. C.  
 Winston-Salem, N. C.  
 Zanesville, O.  
 Lakeworth, Fla.  
 Merchantville, N. J.  
 Tannersville, N. Y.  
 Glen Ridge, N. J.  
 Durham, N. C.  
 Charlotte, N. C.

Dugan, John Edward	Philadelphia, Pa.
Duncan, George Henry	Spartanburg, S. C.
Dunn, Albert Wilkerson	Durham, N. C.
Dunn, Robert Thomas	Lyndhurst, N. J.
Earnhardt, Herman Lee, Jr.	Salisbury, N. C.
Eaton, Dale E.	Kenmore, N. Y.
Edelman, Irving Jacob	Cleveland, O.
Edinger, Richard Loren	Woodstock, Ill.
†Eitner, William Wolfgang	Kew Gardens, N. Y.
Elliott, Emrich Eugene	Terre Haute, Ind.
Erskine, Evans	New York, N. Y.
Eskridge, Clyde Clingman, Jr.	Winder, Ga.
Evans, Robert Rush	Connellsville, Pa.
†Ezelle, John Wofford	Gaffney, S. C.
Ezerski, Frank Peter, Jr.	Monessen, Pa.
Fagala, Orin Henry	Durham, N. C.
Fancher, Malcolm Gareth	Poundridge, N. Y.
Farinash, Francis Leonard	Jenkins, Ky.
Feldman, Leon	Charleston, S. C.
Few, Randolph Reamey	Durham, N. C.
Field, Frank Henry	Cliffside Park, N. J.
Finch, Raymond Tilford	Schenectady, N. Y.
Fisher, Frederick William	Wausau, Wis.
Fitzpatrick, Walter Thomas, Jr.	New York, N. Y.
Fleming, John Wesley	Dewitt, N. Y.
Fletcher, William Lovett	Jackson, Ga.
Ford, Richard Henry	Upper Darby, Pa.
Friedberg, Edwin Peter	Atlantic City, N. J.
Frostick, Frederick Charles, Jr.	Maxton, N. C.
Fulbright, Robert Marion	Charlotte, N. C.
Fuqua, Robert Meek	Bluefield, W. Va.
Gaffney, David Bruce	Great Neck, L. I., N. Y.
Gaillard, Eyre Davis	New York, N. Y.
Galt, Howard Thomas	Glenmore, Pa.
Gamble, Robert Ross	Batavia, N. Y.
Gardner, Warren Alfred	Richmond Hill, L. I., N. Y.
Garris, William Philip	Wadesboro, N. C.
Gatling, William Harrell	Norfolk, Va.
German, Paul Mouzon	Shawnee, Okla.
Gill, Charles Woodrow	Charlotte, N. C.
Gobble, James Franklin	Winston-Salem, N. C.
Golden, James Boyd	Greenfield, Mass.
Goldstein, Edward Lee	Harrison, N. J.
Goodrich, David Earl	Fort Worth, Texas
Goodwin, Otho Creasy, Jr.	Durham, N. C.
Gosnell, William Burton, Jr.	Wilmington, Del.
Gould, Harry Simeon, Jr.	Park Ridge, N. J.
Gould, Philip Dean	Mahwah, N. J.
Graves, John	Wilson, N. C.
Green, Raymond Edgar, Jr.	Clearwater, Fla.
Green, Seymour Stanley	Abingdon, Va.
Green, William Nathaniel	Graham, N. C.
Gregory, Dallas Maynard, Jr.	Skipwith, Va.
Groll, Raymond Carl	Flushing, N. Y.
Gross, John H.	Hollywood, Calif.
Gross, Robert Argyle	Elkins, W. Va.
Grove, Robert Gardner	Lanaconing, Md.
Grover, Harry George, Jr.	Bayside, N. Y.
Guthrie, Edward Wallace	Morehead City, N. C.

† Transferred from College of Engineering, February, 1940.



- Haag, Robert Francis  
 Haberern, Wendell Albert  
 Hagins, John Williams  
 Hale, John  
 Hamilton, Hugh Edwin, Jr.  
 Hand, Herbert Gilman, Jr.  
 Hanford, John Van, Jr.  
 Hansen, Benjamin Holmes  
 Haralson, Prescott Herndon  
 Harawitz, Benedict Richard  
 Harawitz, David Leonard  
 Harrington, Joseph Sibley  
 Harrison, Fenton Frank  
 Harward, Stephen Cannada  
 Haskins, John Bunyan, Jr.  
 Hathaway, Richard Earl  
 Hayes, James Luther, Jr.  
 Hedley, George Saville, Jr.  
 Heller, George Henry, Jr.  
 Hench, Edgar Bishop  
 Hendricks, Warren Aiken  
 Henshaw, Douglas V.  
 Herder, Donald  
 Herdic, John Robert  
 Hessler, Robert Edward  
 Hickman, Marcus T.  
 Hicks, Vonnie Monroe, Jr.  
 Hill, Albert W.  
 Hill, John Kling  
 Hill, Samuel Richardson, Jr.  
 Hillier, George Robert  
 Himelright, Richard C.  
 Hodges, Harry Allen  
 Hoeland, Donald Earl  
 Hoffberger, Charles Bertram  
 Hogg, William Richey  
 Hogue, W. Fay  
 Holmes, Alfred Theodore, Jr.  
 Holt, Duncan Waldo, Jr.  
 Hoover, Alfred Richard  
 Hopkins, Waring Carrington  
 Hornaday, John Albert, Jr.  
 Hornbuckle, Joseph Belvin  
 Horton, Bill Furman  
 Hostetter, Earl Richard  
 Howerton, Thomas Royster  
 Hubbell, David Smith  
 Huber, Gale Carlisle  
 Huffman, Weddie Wilson  
 Hunter, Jack Watkins  
 Huntington, William Richard, III  
 Hutchins, Richard Thornton  
 Ing, Robert Bowen  
 Irish, Bruce Barstow  
 Isdell, Nelson LeRoy  
 Jacobson, Merwin William, Jr.  
 Janiga, Chester John  
 Jaynes, Robert Bullard  
 Jemison, LeVerne Lee  
 Jenkins, Edgar Joseph  
 Bloomfield, N. J.  
 Riverton, N. J.  
 Johnstown, Pa.  
 Wilmette, Ill.  
 Mt. Lebanon, Pittsburgh, Pa.  
 Westfield, N. J.  
 Salisbury, N. C.  
 Charlotte, N. C.  
 Tulsa, Okla.  
 Pittsfield, Mass.  
 Pittsfield, Mass.  
 Franklin, Pa.  
 Buffalo, N. Y.  
 Durham, N. C.  
 Chattanooga, Tenn.  
 Gloversville, N. Y.  
 Marietta, N. C.  
 Lakewood, O.  
 East Aurora, N. Y.  
 Harrisburg, Pa.  
 Laurinburg, N. C.  
 Elizabeth, N. J.  
 Baltimore, Md.  
 Williamsport, Pa.  
 Yeadon, Pa.  
 Hudson, N. C.  
 Raleigh, N. C.  
 Jonesboro, Tenn.  
 Snyder, N. Y.  
 Greensboro, N. C.  
 Westfield, N. J.  
 Winchester, Va.  
 Milford, O.  
 Dayton, O.  
 Baltimore, Md.  
 Wilkinsburg, Pa.  
 Croton-on-Hudson, N. Y.  
 Ridgefield, N. J.  
 Greensboro, N. C.  
 Toledo, O.  
 Merion, Pa.  
 Enfield, N. C.  
 Durham, N. C.  
 Brooklyn, N. Y.  
 Hollis, N. Y.  
 Durham, N. C.  
 Durham, N. C.  
 Minocqua, Wis.  
 Thomasville, N. C.  
 Durham, N. C.  
 Rutherford, N. J.  
 Ogunquit, Me.  
 Washington, D. C.  
 Staten Island, N. Y.  
 Delmar, N. Y.  
 Baltimore, Md.  
 Meriden, Conn.  
 West Newton, Mass.  
 Durham, N. C.  
 Washington, D. C.

Jenkins, John Richard, Jr.  
 Jensen, George Henry  
 Johns, Barron, Jr.  
 Johnson, Franklyn Rader, Jr.  
 Johnson, Gordon Lawrence  
 Johnson, Stewart Henry  
 Johnson, Waverly Lee, Jr.  
 Johntz, William Fones  
 Jones, John David  
 Jones, Joseph Kempton  
 Kale, Russell Henderson, Jr.  
 Kale, Wallace Wilford  
 Kaltman, Alfred Julian  
 Karl, William Alvin, Jr.  
 Kefauver, Clarence Eugene, Jr.  
 Keister, Stephen Ridinger  
 Keller, Thomas Whitney  
 Kennedy, John Wesley  
 Kernoll, Sherrick Twist  
 Kerr, Norwin Lester, Jr.  
 Kerr, Philip Edward  
 Kiely, Thomas Michael  
 Kilham, Dixie Donald  
 Kirkland, Olin Travis  
 Kirkwood, Philip Leroy  
 Kitchens, Jack Conway  
 Kolb, Harry Jacob, Jr.  
 Koonce, Duval Holtzclaw  
 Korowicki, Charles Henry  
 Krupp, Herbert Adams Gibbons  
 Kuehle, William Joseph  
 Kurtz, John Cornell  
 Kurzrok, Felix  
 Lamm, LeRoy Barden  
 Larson, Carnot Carlyle  
 Lassister, Robert Roland, Jr.  
 Laws, Colonel Lafayette  
 Leahy, John Edward  
 Leslie, William James  
 Leuthold, Richard Albert  
 Lingeman, Raleigh Eugene  
 Linkletter, Justus  
 Lockwood, Wendell Newton  
 Logie, James Van Duesen  
 Logue, Lyle Dana  
 Loidl, Alfred George  
 Lombardi, Jerry Francis  
 Long, John Oglesby, Jr.  
 Lurie, Harold Herschel  
 Lutz, James Dwight  
 McCormick, Robert Compton  
 McCune, Frank Watt  
 McDougald, John Atchison  
 McGauhey, John Farris  
 McGehee, William Neidlinger, Jr.  
 McGimsey, Edward Claywell  
 McGirt, William Archibald, Jr.  
 McGovern, John Phillip  
 McGrane, Arthur Joseph  
 McHenry, Charles Victor  
 Albany, N. Y.  
 Walnut Grove, Calif.  
 Shreveport, La.  
 Hoopeston, Ill.  
 Smithfield, R. I.  
 Staten Island, N. Y.  
 Blackstone, Va.  
 Winston-Salem, N. C.  
 Wadsworth, O.  
 Salisbury, N. C.  
 Mebane, N. C.  
 Charlotte, N. C.  
 Lawrence, N. Y.  
 Baltimore, Md.  
 Washington, D. C.  
 Greensburg, Pa.  
 La Grange, Ill.  
 Danville, Va.  
 Wilmington, Del.  
 Scottdale, Pa.  
 Flushing, N. Y.  
 Torrington, Conn.  
 Baltimore, Md.  
 Auburndale, Fla.  
 St. Petersburg, Fla.  
 Bradley Beach, N. J.  
 New York, N. Y.  
 Chadbourn, N. C.  
 Arnold, Pa.  
 Chautauqua, N. Y.  
 Elizabeth, N. J.  
 Toledo, O.  
 New York, N. Y.  
 Lucama, N. C.  
 Mt. Lebanon, Pittsburgh, Pa.  
 Jackson Heights, L. I., N. Y.  
 Durham, N. C.  
 Boston, Mass.  
 Durham, N. C.  
 Warren, Pa.  
 Indianapolis, Ind.  
 Manhasset, N. Y.  
 Plainville, Conn.  
 Westfield, Mass.  
 Sligo, Pa.  
 Anderson, Ind.  
 Danbury, Conn.  
 Warrenton, N. C.  
 Springfield, Mo.  
 Shelby, N. C.  
 Washington, D. C.  
 McKeesport, Pa.  
 Bayside, N. Y.  
 Pawling, N. Y.  
 Washington, D. C.  
 Morganton, N. C.  
 Wilmington, N. C.  
 Washington, D. C.  
 Brooklyn, N. Y.  
 Glen Rock, N. J.

- McKinnon, Henry Alexander, Jr.  
 McLaughlin, Joseph  
 McMahan, Edward Raeburn  
 McMorries, Edwin Eliot  
 MacDuffie, Sharon Belgrave  
 MacEwen, Robert Douglas  
 Malone, Harold John  
 Manning, Reginald Murrill  
 Marshall, James Orton  
 Marshall, Sam Parks  
 Martin, Richard H.  
 Mason, Arthur Hugh, Jr.  
 Masterman, Donald Gage  
 Maxwell, Frederick Clair  
 Maxwell, Jay Cohen  
 Menner, Francis William  
 Messenkopf, Philip Charles  
 Meyer, Arthur Francis  
 Miller, Jack J.  
 Mills, John Parmelee  
 Mills, William Breyman  
 Milnes, William Willis  
 Miner, Robert Calvin  
 Moore, John Maxwell  
 Moore, Robert Todd  
 Moore, Theodore Vivian  
 Moore, Thomas Joseph  
 Moseley, Daniel DuPré  
 Moss, Earle Chester, Jr.  
 Moylan, John Dudley  
 Mueller, Robert Avery  
 Mullen, Thomas  
 Murdaugh, Marion Edward  
 Murphy, Kenneth James  
 †Myers, Donald  
 Nasher, Raymond Donald  
 Neal, Benjamin E., Jr.  
 Newbold, Herbert Leon, Jr.  
 Newport, Albert Byron  
 Nicholas, Max Wellington  
 Noyes, Robert Speir  
 O'Connor, William Paul  
 O'Donnell, Richard Justin  
 Oestmann, Charles Henry  
 O'Mara, Allan Hill  
 Osborne, William Farrand, Jr.  
 O'Shea, William Dillon  
 Paddison, Richard Milton  
 Pannell, Napoleon Bonaparte, Jr.  
 Pansing, Joseph Coppock  
 Patten, John William  
 Patterson Alfred King  
 Patterson, George Lowndes  
 Patterson, John Duncan, Jr.  
 Pattridge, Willard Lee  
 Pearson, James Blackwood  
 Peck, Frank McDonald  
 Perry, Donald Graham  
 Philipp, Albert Ernest, Jr.  
 Lumberton, N. C.  
 Charlotte, N. C.  
 Morrisville, Vt.  
 Long Beach, Calif.  
 Helena, Mont.  
 Mountain Lakes, N. J.  
 New Britain, Conn.  
 Williamston, N. C.  
 Lewes, Del.  
 Raleigh, N. C.  
 Akron, N. Y.  
 Buffalo, N. Y.  
 Braintree, Mass.  
 Mamaroneck, N. Y.  
 New York, N. Y.  
 Irvington, N. J.  
 Erie, Pa.  
 Cleveland Heights, O.  
 Hollywood, Calif.  
 Willoughby, O.  
 Cedar Rapids, Iowa  
 Struthers, O.  
 Albany, N. Y.  
 Charlotte, N. C.  
 Anchorage, Ky.  
 Miami, Fla.  
 Bronxville, N. Y.  
 Spartanburg, S. C.  
 Providence, R. I.  
 Miami, Fla.  
 Great Neck, N. Y.  
 Brooklyn, N. Y.  
 Durham, N. C.  
 Rensselaer, N. Y.  
 Albany, N. Y.  
 Dorchester, Mass.  
 Buffalo, N. Y.  
 Newport News, Va.  
 Philadelphia, Pa.  
 Williamsport, Pa.  
 Albany, N. Y.  
 Woburn, Mass.  
 Wilkes-Barre, Pa.  
 Youngstown, O.  
 Terre Haute, Ind.  
 Arlington, N. J.  
 Durham, N. C.  
 Savannah, Ga.  
 Shelby, N. C.  
 Dayton, O.  
 University Heights, O.  
 Durham, N. C.  
 Miami, Fla.  
 Rockingham, N. C.  
 Orlando, Fla.  
 Lynchburg, Va.  
 Logan, W. Va.  
 Winston-Salem, N. C.  
 Bogota, N. J.

† Transferred from College of Engineering, February, 1940.

- Phillips, John Wilfred  
 Pickard, Marvin Atlos  
 Pickard, Sam, Jr.  
 Pifer, Robert Theodore Alston, Jr.  
 Pinsky, Melvin Lester  
 Poe, William Boyd  
 Poole, Grover Duckett  
 Porritt, Richard Harley  
 Porter, Winston Allen  
 Porterfield, David Ormond  
 Preis, Edwin Ernest  
 Radak, Julius  
 Radford, John Alexander  
 Ragan, Ollie Franklin, Jr.  
 Rahmstorf, Warren Howard  
 Rankin, William Walter, Jr.  
 Ray, Sydney Donald  
 Read, Thomas  
 Reaves, Tommy Thomas  
 Rector, Robert Chapin  
 Redding, Clyde  
 Reese, Warren Butman  
 Remley, Samuel Goodwin  
 Reuler, John Edward  
 Rich, Elwood Merrill  
 † Ricketts, John Blaine, Jr.  
 Riddick, Ralph Bemby  
 Riley, Edward George  
 Roberts, Andrew James  
 Robinson, Arthur Paul  
 Robinson, George Gilmour, Jr.  
 Romp, Arthur Junior  
 Rose, Albert A.  
 Rosen, Allard Frank  
 Rothbaum, Samuel Wilf  
 Rottinghaus, Robert Bernard  
 Rover, Richard Warren  
 Ruark, Franklin Stiffler  
 Rudnick, Frank  
 Rushmore, John Frederick  
 Rusk, Stephen Lewis, III  
 Ruskin, Edwin Robert  
 Russell, Philip Everitt  
 Russell, Robert McCurdy  
 Ryan, Robert Howe  
 Schaefer, Edmund De Shon  
 Schaefer, Jack William  
 Schofield, Albert  
 Schriever, John Henry, Jr.  
 Schwaninger, George Robert  
 Schwartz, William Benjamin, Jr.  
 Scott, Samuel Montgomery  
 Scull, Irvin Collins  
 Seman, Luen Karl  
 Seward, Frank Martin  
 Sharpe, Russell Mairon  
 Sheep, Mathew Leigh  
 Sheldon, Murray Bernard, Jr.  
 Shockey, Joseph Porter, Jr.  
 Brewster, N. Y.  
 Durham, N. C.  
 Miami Beach, Fla.  
 Durham, N. C.  
 Bellaire, O.  
 Durham, N. C.  
 Raleigh, N. C.  
 Providence, R. I.  
 East Liverpool, O.  
 St. Clairsville, O.  
 Colwick, N. J.  
 Akron, O.  
 Washington, D. C.  
 Durham, N. C.  
 Mount Vernon, N. Y.  
 Durham, N. C.  
 Durham, N. C.  
 West Pittston, Pa.  
 Greenville, Tenn.  
 Omaha, Neb.  
 Portsmouth, O.  
 Flint, Mich.  
 Wisconsin Rapids, Wis.  
 St. Paul, Minn.  
 Williamsport, Pa.  
 Yeadon, Pa.  
 Durham, N. C.  
 Hollis, N. Y.  
 Belleville, N. J.  
 Laurel, Del.  
 Woodbridge, N. J.  
 North Olmsted, O.  
 Kingston, N. Y.  
 East Cleveland, O.  
 Palmyra, N. J.  
 North College Hill, O.  
 New Canaan, Conn.  
 Park Ridge, Ill.  
 Middletown, Del.  
 Clark's Green, Pa.  
 St. Petersburg, Fla.  
 New Rochelle, N. Y.  
 Glencoe, Ill.  
 Burgettstown, Pa.  
 Akron, O.  
 Bridgehampton, N. Y.  
 Ridgewood, N. J.  
 Boston, Mass.  
 Grosse Pointe, Mich.  
 Jamaica Estates, N. Y.  
 Woodmere, N. Y.  
 Waynesburg, Pa.  
 McKee City, N. J.  
 Woodmere, N. Y.  
 Merchantville, N. J.  
 Durham, N. C.  
 Elizabeth City, N. C.  
 Roselle Park, N. J.  
 Red Ash, Va.

† Transferred from College of Engineering, February, 1940.

- Shrader, William Marshall  
 Sierichs, William Cornell  
 Silverbach, Alan Melville  
 Simester, Don Phillip  
 Simon, George Solomon  
 Simonds, Dwight Lunt  
 Skellenger, John Robert  
 Skoglund, John Albert  
 Slocum, William Harold  
 Smedberg, William Waldame:  
 Smeltzer, Dave Harvey  
 Smith, Benjamin Lee, Jr.  
 Smith, Boylston Dandridge, Jr.  
 Smith, Cody Heber  
 Smith, Earle Stuart  
 Smith, Howell Elijah  
 Smith, Leonard James  
 Smith, Luther Louis, Jr.  
 Smith, Richard Ballenger  
 Smoot, Frederick Burton  
 Smoot, James Watson, Jr.  
 Snyder, Thoburn Rudolph, Jr.  
 Sobell, Maurice Henry  
 Somers, Alfred Jay  
 Sorek, Michael John  
 Spencer, Charles William  
 Spohn, Samuel Edwin  
 Stark, William Eugene  
 Starnes, Shirley Judge, Jr.  
 Starr, Ralph Walters  
 Steckel, Hugh Clevel  
 Stenglein, Robert Wolcott  
 Sterner, George Willard  
 Stevenson, Harold Tabor  
 Stewart, William Sinclair, Jr.  
 Stillings, Charles Franklyn  
 Stokes, Paul Richard  
 Stone, William Franklin  
 Storer, Moffat  
 Stovall, John Reed, Jr.  
 Strotz, Robert Henry  
 Stuart, John Pressley, Jr.  
 Sudrann, Robert Bernhard  
 Suiter, Thomas Bayton, Jr.  
 Sutfin, Jesse  
 Swank, Richard Gale  
 Swope, Lee Frederick  
 Sykes, Claude Oliver  
 Tate, James Milton  
 Taylor, Allen  
 Taylor, Frank Todd  
 Thomas, Richard Alfred  
 Thomas, James Kenneth  
 Thompson, Blaine Calvin  
 Thomson, Edward Hamilton  
 Thurston, William Edgar  
 Tolchard, Allen St. Clair  
 Tomkinson, Charles Richard  
 Tope, Charles Wilders  
 Townsend, Roger Corning  
 Wappingers Falls, N. Y.  
 Scarsdale, N. Y.  
 Paterson, N. J.  
 Wadsworth, O.  
 Mount Pleasant, Pa.  
 Arlington, Mass.  
 Logan, W. Va.  
 Geneva, Ill.  
 Pittsburgh, Pa.  
 Greensboro, N. C.  
 Youngstown, O.  
 Greensboro, N. C.  
 Omar, W. Va.  
 Durham, N. C.  
 Winterport, Me.  
 Dallas, Texas  
 Hamilton, O.  
 Rocky Mount, N. C.  
 Westmoreland Hills, Md.  
 Scranton, Pa.  
 Tarboro, N. C.  
 Mt. Pleasant, Pa.  
 Detroit, Mich.  
 Haddonfield, N. J.  
 Erie, Pa.  
 Ashland, Pa.  
 Goshen, Ind.  
 Litz, Pa.  
 Aberdeen, N. C.  
 Kenilworth, Ill.  
 Jackson Heights, N. Y.  
 Saginaw, Mich.  
 Belmar, N. J.  
 Elizabethton, Tenn.  
 Charlotte, N. C.  
 Youngsville, Pa.  
 Atlantic Highlands, N. J.  
 Lookout Mountain, Tenn.  
 Wheeling, W. Va.  
 Winston-Salem, N. C.  
 Aurora, Ill.  
 Springhill, Ala.  
 Brooklyn, N. Y.  
 Rocky Mount, N. C.  
 Kenova, W. Va.  
 Towson, Md.  
 Harrisburg, Pa.  
 Durham, N. C.  
 Huntsville, Ala.  
 Greenville, N. C.  
 Ellicott City, Md.  
 Washington, D. C.  
 Spray, N. C.  
 Cleveland, O.  
 Charlotte, N. C.  
 Detroit, Mich.  
 Lake Worth, Fla.  
 Bloomsburg, Pa.  
 Burgettstown, Pa.  
 Short Hills, N. J.

Tozier, Norman Harold	Johnsonburg, N. Y.
Treleaven, Harry William, Jr.	Summit, N. J.
Trexler, Duke Caleb	Jacksonville, Fla.
Trimmer, Perry Richmond	Snyder, N. Y.
Troxell, Harry Emerson	Northumberland, Pa.
Trumble, Richard William	Miami, Fla.
Tyer, William Boyd, Jr.	Smithfield, N. C.
Tyson, Hubert King	New Bern, N. C.
Udell, William Nathan	Battle Creek, Mich.
Ulrey, Richard Abbott	Glen Ridge, N. J.
Ulrich, William Paul	Audubon, N. J.
Upham, Stephen Pierce, Jr.	Mt. Vernon, O.
Utzinger, Robert Carlton	Plainfield, N. J.
Vanderpool, William Sherman	Oklahoma City, Okla.
Vannatta, Dwight Ray, Jr.	Fremont, O.
Varney, Norman Arthur	Boston, Mass.
Varney, Robert Frederick	Lakewood, O.
Vaughan, Leonidas Clyde, Jr.	Greensboro, N. C.
Voehringer, John Lester	Greensboro, N. C.
Wagner, Richard Warren	Huntingdon, Pa.
Wakeling, Robert Willard	Reading, Mass.
Walker, Andrew Gwin	Norfolk, Va.
Walker, Howard George, Jr.	Westfield, N. J.
Walker, Joe Henry	Coral Gables, Fla.
Walsh, William Madison, Jr.	Albany, N. Y.
Walter, James Elias	Delmar, N. Y.
Watkins, William Thurman, Jr.	Newport News, Va.
Watson, Neal Thomas	Fairfax, Va.
Webster, George Hardy	Northfield, Vt.
Webster, Wesley Gerald	Andover, N. H.
Wells, John Gay	Baltimore, Md.
Wells, L. Cannon	Columbus, Ga.
West, George Warren, Jr.	Garden City, N. Y.
Wheeler, Howard James	Orlando, Fla.
White, Hayes MacMurry, Jr.	Raleigh, N. C.
Widmark, George Norman	Verona, N. J.
Wiley, Charles McMillan	Minneapolis, Minn.
Williams, David Vance Price	Lexington, N. C.
Willis, Julian Dewey, Jr.	Morehead City, N. C.
Wilson, Thomas Moser	Washington, D. C.
Wilson, William Preston	Durham, N. C.
Withington, John Cummings	Savannah, Ga.
Womble, Calder Willingham	Winston-Salem, N. C.
Wrenn, Frank Reece, Jr.	Anderson, S. C.
Wright, Frank Irvin	Brooklyn, N. Y.
Young, Robert Douglas	Westfield, N. Y.
Young, Thomas Rudolph, Jr.	Spartanburg, S. C.
Zielke, Harold Wayne	Aledo, Ill.
Zimmerman, Richard Samuel	Columbus, O.

## SOPHOMORE CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

Ackerman, Robert Manton	Bound Brook, N. J.
Adam, William Douglas	Portland, Ore.
Adams, Claude Alvis	Durham, N. C.
Alexander, Arthur Lee	Burlington, N. C.
*Alexander, John Charles	Durham, N. C.
*Allen, James Clyde	Tarentum, Pa.
Allen, Jeremiah Mervin	Newtonville, Mass.



- Anthoine, Robert  
 Asch, Arthur Irving  
 Aufhammer, Robert Deane  
 Backer, Robert Martin  
 Baily, Johnson Levering  
 Baker, Frank Warren  
 Barringer, Paul Jehu, Jr.  
 Beaulieu, Bernard Basil  
 Bell, Frank Lee  
 Bell, Jack Louis  
 Bell, Richard Parker, Jr.  
 Benson, Walter Russell  
 Berini, Nello Richard  
 †Betty, Laban Tyson  
 \*Bingler, William Alexander  
 Blanchard, Lawrence Eley, Jr.  
 Blodget, Chester Elliott, Jr.  
 Boeddener, William Eddy  
 Bokinsky, George Edward  
 Booream, Charles Van Liew  
 \*Bowden, Henry Cleveland, Jr.  
 \*Bowman, Donald Allen  
 Bragg, Alfred Orman  
 Braswell, Thomas Edward  
 Brooks, William Armstead  
 \*Brown, Alfred John  
 \*Brown, Raymond Nicholas, Jr.  
 Brown, Werner Curt  
 Brown, William Moorhead  
 \*Buffington, Donald Renard  
 Burger, Earl Waldo  
 \*Burlingame, Alvah Waterman, III  
 Byam, George Alan  
 \*Byrn, Chester Arthur, Jr.  
 Byrum, Charles Russell  
 Byrum, Jack Cope  
 Caddy, James Anthony  
 Cameron, William Charles  
 Carlisle, Lester Raymond  
  
 \*Carney, John Kelly  
 Carter, John Leslie  
 Cassels, Louie Welborn  
 Cates, Banks Raleigh, Jr.  
 Caudill, Carrel Mayo  
 \*Chambers, Robert Newton  
 \*Chester, Charles Gaines  
 \*Clamp, Jesse Carl  
 \*Clark, Robert Willard  
 Clark, Word Compton  
 Clarke, Harvey Bassett  
 \*Clayton, Samuel Charles Elford, Jr.  
 \*Clements, Russell Rodda  
 \*Cline, Guy Ellis, Jr.  
 Cobb, Roy Heber  
 Colley, John Coolidge  
 Conlon, Richard Paul  
 \*Cook, Howard Charles  
  
 Portland, Me.  
 Harrison, N. J.  
 Thorndale, Pa.  
 Winston-Salem, N. C.  
 Canandaigua, N. Y.  
 Washington Court House, O.  
 Sanford, N. C.  
 Whitman, Mass.  
 Durham, N. C.  
 Aurora, Ill.  
 Lakewood, O.  
 Tamaqua, Pa.  
 Durham, N. C.  
 Asheville, N. C.  
 Pittsburgh, Pa.  
 Raleigh, N. C.  
 Leominster, Mass.  
 Rocky River, O.  
 Windber, Pa.  
 Milltown, N. J.  
 Raleigh, N. C.  
 Jamaica Estates, N. Y.  
 Valley Stream, L. I., N. Y.  
 Elm City, N. C.  
 Dallas, Texas  
 Pittsburgh, Pa.  
 Baltimore, Md.  
 Norfolk, Va.  
 Toronto, O.  
 Atlanta, Ga.  
 Hackettstown, N. J.  
 Brooklyn, N. Y.  
 Lowell, Mass.  
 Mayfield, Ky.  
 Winnetka, Ill.  
 Winnetka, Ill.  
 Johnstown, Pa.  
 Worcester, Mass.  
 Port Richmond, Staten  
 Island, N. Y.  
 Hague, N. Y.  
 East Orange, N. J.  
 Ellenton, S. C.  
 Charlotte, N. C.  
 Pearisburg, Va.  
 Upper Montclair, N. J.  
 Raleigh, N. C.  
 Helena, Ark.  
 Richmond Hill, L. I., N. Y.  
 Concord, N. C.  
 Palo Alto, Calif.  
 Bayside, L. I., N. Y.  
 Washington, D. C.  
 Lincolnton, N. C.  
 Hollis, N. Y.  
 Reading, Mass.  
 Oak Park, Ill.  
 Johnstown, Pa.

† Transferred from the College of Engineering, February, 1940.

- Coppedge, James Young  
 \*Courter, George Hampton  
 Cozart, William Charles  
 Crawford, David Bennett, Jr.  
 Creekmore, Edmund White  
 \*Creesy, William Martin  
 \*Cregg, Donald Joseph  
 \*Cregg, Hugh Anthony  
 Crofts, Frederic Schrader  
 \*Culbreth, Howard Cranford  
 Culp, Henry Wilburn  
 Dalton, Arthur Markham  
 Daniel, Edwin Jenkins  
 \*Daubon, Druso A.  
 \*Davis, Julian Carlyle  
 Davis, William Whitfield, Jr.  
 Deal, Carl H., Jr.  
 \*Deegan, Joseph Francis  
 Dein, Saul Kenders  
 DeLong, William Marsh  
 DeWitt, John Phillips, Jr.  
 Dick, Frederick William  
 \*Dikeman, Theron Lane, Jr.  
 \*Dodson, William Warnick, Jr.  
 Dolce, Robert Edgar  
 Dolson, James Frederick  
 Dozier, Riley Clarence, Jr.  
 \*Draper, Jess Orr  
 Dratz, Henry Martin  
 Drumm, Corman Stogdell  
 Dubs, Charles William  
 Dunn, Harvey Esterly  
 Dunn, Theodore Charles  
 Dwight, John Leverett  
 \*East, George  
 Eckhoff, Paul Sheppard  
 Efrid, Paul Haywood, Jr.  
 \*Elder, William Howard  
 \*Elder, William Hubert, Jr.  
 Everett, Harry Anderson  
 \*Everett, Theodore Joseph  
 Farley, James Edward, Jr.  
 \*Fawcett, Harry William  
 Featherston, William Preston  
 \*Felty, Ralph Benton  
 Fields, Paul Henry  
 Fischer, Herbert Darcy  
 \*Fleming, Malcolm Newman  
 Fletcher, Thomas Francis, Jr.  
 Fletcher, Thomas Peyton  
 Foreman, Robert Evans  
 \*Fraas, George William  
 Frazier, Truett Hollis  
 Freeman, Thomas Franklin  
 \*Frink, Hurlburt Robbins  
 Fritz, Wilton George  
 Fulton, Blair Fishburn  
 \*Gardner, Harvey Adolph  
 Gardner, Russell Menese  
 Cleveland Heights, O.  
 Niagara Falls, N. Y.  
 Raleigh, N. C.  
 Charlotte, N. C.  
 Norfolk, Va.  
 Elsmere, N. Y.  
 Methuen, Mass.  
 Methuen, Mass.  
 Pittsford, N. Y.  
 New Bern, N. C.  
 New London, N. C.  
 Toledo, O.  
 Durham, N. C.  
 Santurce, Porto Rico  
 Quincy, Fla.  
 Lumberton, N. C.  
 Salisbury, N. C.  
 Kingston, N. Y.  
 Atlantic City, N. J.  
 Reading, Pa.  
 Wyoming, Pa.  
 Meridian, Miss.  
 Dunkirk, N. Y.  
 Harrisburg, Pa.  
 Flushing, N. Y.  
 Franklin, Pa.  
 South Mills, N. C.  
 Saginaw, Mich.  
 Lynbrook, N. Y.  
 Philadelphia, Pa.  
 Durham, N. C.  
 Frederick, Md.  
 Croton-on-Hudson, N. Y.  
 Wayne, Pa.  
 Raphine, Va.  
 Palisades Park, N. J.  
 Charlotte, N. C.  
 Columbia, S. C.  
 Durham, N. C.  
 Toledo, O.  
 Niantic, Conn.  
 Durham, N. C.  
 Bellevue, Pa.  
 Durham, N. C.  
 Ashland, Kv.  
 Rose Hill, N. C.  
 West Haven, Conn.  
 Dewitt, N. Y.  
 Stewart Manor, N. Y.  
 Paducah, Ky.  
 Elizabeth City, N. C.  
 Manhasset, N. Y.  
 Asheboro, N. C.  
 Montclair, N. J.  
 Norwich, N. Y.  
 Ridgewood, N. J.  
 Roanoke, Va.  
 Miami, Fla.  
 Rock Haven, Pa.

- Garrett, Robert Pope  
 Gartner, Murray  
 \*George, Leonard Beattie, Jr.  
 \*Gilbert, Creighton Eddy  
 \*Gill, Aubrey Winfree  
 \*Given, Waitman Camden, Jr.  
 Glisson, Hiram Broadus, Jr.  
 Gobbel, Walter Gothard, Jr.  
 Goodman, David LeRoy, Jr.  
 \*Goodman, James Gayther  
 \*Gorman, Jack Lawrence  
 \*Gott, John Warner  
 Gould, David Foster  
 Grant, Charles A.  
 Greene, Edgar Carlton  
 Greenfield, Robert Edman, Jr.  
 Grimes, William Henry, Jr.  
 Gundlach, George Baker  
 \*Habbersett, Edgar Raymond  
 Haddad, Joseph Lebanon  
 Ham, Robert Gardner  
 Happ, Lee Morris, Jr.  
 Harper, John Robert  
 Harrelson, Rose Cranse, Jr.  
 \*Harris, Jack  
 Harris, James Allen  
 \*Hartzell, Jay Stanley, Jr.  
 Haviland, Robert Smith  
 \*Heath, Lester John, Jr.  
 \*Hedrick, Henry Grady  
 Heller, Morton Alvin  
 \*Henderson, Joseph Crawford  
 \*Herdic, Carl Wesley, Jr.  
 Hibbs, Nelson Douglass  
 \*Hicks, Roger Frederick  
 \*Higgins, Clarence Bertrand, Jr.  
 \*Hill, Richard Joshua  
 Himadi, George Manley  
 \*Hippo, Hugh Pearson  
 Hobbs, Robert Thomas  
 Hoffman, Arthur Charles  
 Holton, Samuel Melanchthon  
 Honeycutt, James Fermon  
 Hood, Thomas Ruffin  
 \*Hoover, James Quentin  
 Horn, Carl, Jr.  
 \*Houseman, French Leon  
 \*Kirkpatrick-Howat, Yvone  
 Hutson, James Jackson  
 \*Hymans, Edward Loomis  
 \*Ilderton, Thomas Carey  
 \*Imlay, Dean Wright  
 Imler, Robert Lee, Jr.  
 Irvin, Charles Warren, Jr.  
 Irwin, Warren Robert  
 \*Jackson, Delwood Serle  
 \*Jackson, Franklin Rowley  
 Jarrett, Lewis Franklin, Jr.  
 \*Jett, Charles Edward  
 Greensboro, N. C.  
 Edgewood, R. I.  
 Staten Island, N. Y.  
 Durham, N. C.  
 Petersburg, Va.  
 Cleveland, O.  
 Savannah, Ga.  
 Suffolk, Va.  
 Baltimore, Md.  
 Charlotte, N. C.  
 Pottsville, Pa.  
 Avon, N. Y.  
 Riverton, N. J.  
 Anchorage, Ky.  
 Detroit, Mich.  
 Decatur, Ill.  
 Hopewell Junction, N. Y.  
 Cincinnati, O.  
 Media, Pa.  
 Ansonia, Conn.  
 Yanceyville, N. C.  
 Macon, Ga.  
 Franklin, Pa.  
 Tabor City, N. C.  
 Lowell, N. C.  
 Dayton, O.  
 Philadelphia, Pa.  
 Brookfield, Conn.  
 Albany, N. Y.  
 Durham, N. C.  
 Hewlett, Long Island, N. Y.  
 Norristown, Pa.  
 Williamsport, Pa.  
 Philadelphia, Pa.  
 Belvidere, N. J.  
 Milton, Mass.  
 White Plains, N. Y.  
 Ridgewood, N. J.  
 Charlotte, N. C.  
 Durham, N. C.  
 Highland Park, Ill.  
 Durham, N. C.  
 Clinton, N. C.  
 Smithfield, N. C.  
 Chambersburg, Pa.  
 Salisbury, N. C.  
 Roanoke, Va.  
 Baltimore, Md.  
 Miami, Fla.  
 Glen Rock, N. J.  
 High Point, N. C.  
 Bordentown, N. J.  
 Tulsa, Okla.  
 Columbia, S. C.  
 McKees Rocks, Pa.  
 Durham, N. C.  
 Charlotte, N. C.  
 Albany, N. Y.  
 Elizabethton, Tenn.

- Johnson, Allan Linner  
 Johnson, Carl Anderson  
 Johnstone, Robert Dale  
 Jones, Barney Lee  
 Jones, Paxton Lane  
 Jones, Sumner Prescott  
 Kachelien, Jack Charles  
 Kanter, Hulbert Jay  
 \*Karmazin, Michael L.  
 Katz, Joseph  
 Kauffman, John Phillip Derr  
 \*Kelley, George Austin, II  
 \*Kemp, Albert York  
 Kenion, Alonzo Williams  
 Keyes, Kenneth Scofield, II  
 \*Kimbrell, Robert Walker  
 \*Kindlund, Nelson  
 King, Thomas Boyd, Jr.  
 Kirsch, Robert Joseph  
 \*Knight, John Arthur  
 Knight, Richard Victor  
 Knupp, James Edward  
 \*Kohler, Ervin Winston, Jr.  
 Kornblau, Leonard Aaron  
 \*Kough, William Henry  
 Koza, Robert Wayne  
 \*Lach, Steve John  
 Lawson, John Fuller  
 Lawson, Thomas Tinsley  
 Laybourne, Paul Curtis, Jr.  
 \*Leet, Clifford Franklin, Jr.  
 Leiper, Bartram Galbraith, Jr.  
 \*Leone, Francis Joseph  
 \*Lewis, Clarence Lucian  
 Liles, George Welch  
 Lineberry, William Taylor, Jr.  
 Link, Harvey Jay  
 \*Lipscomb, James Wilbur  
 \*Livingston, Richard Mayer  
 Lone, William E., Jr.  
 \*Love, Harold John  
 Lovell, William Figgatt  
 Ludwig, William Morton  
 Lurie, Sidney Eugene  
 McAdams, Charles Rupert, Jr.  
 McCahan, William Glenn, Jr.  
 McCathran, Rodney Rathborne, II  
 \*McClees, Cecil Carr  
 \*McClure, John Niel  
 McClure, Roy Donaldson, Jr.  
 McDonough, Robert Walter  
 McGough, Robert Bennett  
 McMahan, John Alexander  
 †McNairy, Wyatt Donald  
 McNulty, Frank Bacon, Jr.  
 Maddox, Charles Oscar  
 Maddox, Daniel Wheeler  
 \*Madsen, Richard Laurids  
 Minneapolis, Minn.  
 Holly Springs, N. C.  
 Munhall, Pa.  
 Williamsburg, Va.  
 Youngstown, O.  
 Swarthmore, Pa.  
 Jamestown, N. Y.  
 Newark, N. J.  
 Irwin, Pa.  
 Brooklyn, N. Y.  
 Williamsport, Pa.  
 Birmingham, Ala.  
 Syracuse, N. Y.  
 Hillsboro, N. C.  
 Miami, Fla.  
 Charlotte, N. C.  
 Scituate, Mass.  
 Hiwassee Dam, N. C.  
 Oak Park, Ill.  
 Bamberg, S. C.  
 Tampa, Fla.  
 Detroit, Mich.  
 Yoe, Pa.  
 Wilkes-Barre, Pa.  
 New York, N. Y.  
 Cuyahoga Falls, O.  
 Altoona, Pa.  
 Erwin, Tenn.  
 Erwin, Tenn.  
 Cuyahoga Falls, O.  
 Horseheads, N. Y.  
 Signal Mountain, Tenn.  
 Albany, N. Y.  
 Clinton, N. C.  
 Charlotte, N. C.  
 Colerain, N. C.  
 Scranton, Pa.  
 Hinton, W. Va.  
 Chicago, Ill.  
 Arlington, N. J.  
 Jamestown, N. Y.  
 Raleigh, N. C.  
 Chillicothe, O.  
 Springfield, Mo.  
 Belmont, N. C.  
 Dover, Del.  
 Chevy Chase, Md.  
 Durham, N. C.  
 Palmetto, Fla.  
 Detroit, Mich.  
 West Orange, N. J.  
 Towson, Md.  
 St. Petersburg, Fla.  
 Erie, Pa.  
 Pittsburgh, Pa.  
 Winder, Ga.  
 Thomasville, N. C.  
 Hastings-on-Hudson, N. Y.

† Transferred from the College of Engineering, February, 1940.

- Maloney, John Gregory  
 Maltby, Douglas Robinson  
 Manget, Fred Daniel  
 Marks, Edgar Seymour  
 Marshall, Robert Pickens  
 \*Marshall, Roger Lee  
 Martin, Sherwood Earl  
 Matthews, Walter Sidney, Jr.  
 Maxwell, Edward Wesley  
 Maxwell, Silas James  
 Mayo, Louis Allen  
 Meara, Andrew James  
 Melko, John Francis, Jr.  
 Merrill, Donald Candee  
 Mettam, John Wilson  
 Mickelberry, William Crowder  
 Miller, Arthur Bernard  
 Miller, Robert Barclay, Jr.  
 Miller, Vernor Charles  
 Mitchell, Robert Edward  
 \*Mock, Clyde William  
 Montgomery, George Thomas  
 \*Morton, John Jackson, Jr.  
 \*Mugele, Thomas Bernard  
 \*Nance, Andrew  
 Neaves, Frederick Edward  
 Newsham, Richard Charles  
 Nichols, Ralph Sumner  
 Nicholson, Herbert Maurice  
 Nourse, John Darlington, Jr.  
 Nuckols, Ernest Benjamin, Jr.  
 Obenshain, Wiley Shackford, Jr.  
 Ochsenreiter, Edward John  
 \*Olsen, William Thomas  
 O'Neil, James William  
 Palumbo, Leonard, Jr.  
 Parker, Martin Leonard  
 Pearce, James Tribble  
 Pedersen, Walton Eugene  
 Peggs, Frederick MacDonald  
  
 Perry, George Wendell  
 \*Petty, James Britt  
 \*Phelps, John Howard, Jr.  
 \*Phillips, Charles Wilbert  
 \*Piasecky, Alex  
 Pittenger, Tress Ellsworth, Jr.  
 Platt, Harold Eugene  
 Pope, Warren House  
 \*Priddy, John Walter, III  
 Primel, Paul Edward  
 Prince, George Edward  
 Prince, Hugh Williamson, Jr.  
 Profenius, Henry Charles  
 Prothro, James Thompson, Jr.  
 Prout, Huston Meredith  
 Puder, Robert Stuart  
 Purcell, Eugene George, Jr.  
 Pye, Thomas Richard, II  
  
 Pittsburgh, Pa.  
 Wallingford, Conn.  
 Atlanta, Ga.  
 Greensboro, N. C.  
 Chelsea, Mass.  
 Winston-Salem, N. C.  
 Kittanning, Pa.  
 Danville, Va.  
 Comus, Md.  
 Pink Hill, N. C.  
 Greenville, N. C.  
 Glen Rock, N. J.  
 Perth Amboy, N. J.  
 Harrisburg, Pa.  
 St. Clair, Pa.  
 Miami Beach, Fla.  
 Bloomfield, N. J.  
 Long Branch, N. J.  
 Utica, Mich.  
 Rock Island, Ill.  
 Altoona, Pa.  
 Washington, D. C.  
 Charlotte, N. C.  
 Pittsburgh, Pa.  
 Cross Hill, S. C.  
 Long Branch, N. J.  
 Audubon, N. J.  
 Abington, Mass.  
 Suffield, Conn.  
 Cleveland Heights, O.  
 Cumberland, Va.  
 Charlotte, N. C.  
 Asheville, N. C.  
 Riverside, Ill.  
 Bound Brook, N. J.  
 East Orange, N. J.  
 Brooklyn, N. Y.  
 Columbia, S. C.  
 Durham, N. C.  
 Prince Bay, Staten Island,  
 N. Y.  
 Evanston, Ill.  
 Charlotte, N. C.  
 Hartford, Conn.  
 Clairton, Pa.  
 Jeannette, Pa.  
 Akron, O.  
 Malba, Long Island, N. Y.  
 Durham, N. C.  
 Wilson, N. C.  
 Cresson, Pa.  
 Dunn, N. C.  
 Dunn, N. C.  
 Millville, N. J.  
 Memphis, Tenn.  
 Columbus, O.  
 West Orange, N. J.  
 Erwin, N. C.  
 Bar Harbor, Me.

- Rawlings, Rob Roy  
 Read, Bayard Taylor  
 Rees, Roberts M.  
 Reisner, Leon, Jr.  
 Rhobotham, Frank Blaine  
 Rice, Ralph Estes, Jr.  
 \*Ridenhour, Joseph Conrad  
 Ridgway, William Lant  
 Ritter, John Beatty, Jr.  
 \*Robertson, William Frye  
 Rodgers, Billy Ansley  
 Rohrbach, Clayton John  
 Ross, Robert Harlan  
 Rouse, Robert Kelly  
 Rowe, Charles Austin, Jr.  
 Rudolph, Charles William, Jr.  
 Rulon, David Bernard  
 Ryan, Thornton Atkinson  
 \*Ryan, Thomas Stone  
 Safford, James Davis  
 San, James Matthew  
 Sanderson, Robert Arthur  
 Sargent, Edward Albert  
 Satterfield, James Ernest  
 \*Sauer, Richard Henry  
 \*Sayre, Richard Homer  
 Schenkemeyer, William Lee, Jr.  
 Schlingheyde, Charles Henry  
 Schooley, James Robert  
 \*Scott, Byron Winfield  
 Scott, Harley Augustus, Jr.  
 Scott, Richard Hendrickson  
 Scott, Robert Thornton  
 Sellers, Frank Edwin  
 Senhauser, William Evans  
 Shackelford, Walter Eugene  
 Shivers, Joseph Clois, Jr.  
 Shubrick, Edmund Templar  
 \*Siegfried, Winston Thomas  
 \*Sikkenga, Albert Leon  
 \*Simpson, Joe Bradford, Jr.  
 Simpson, Joe Glenn  
 \*Skinner, John Travis, II  
 Slinn, Richard Quentin  
 Smith, Allan Clifford  
 Smith, Charles Sweet, Jr.  
 Smith, Gerald Norton  
 Smith, William Bulkeley  
 Smith, Willis, Jr.  
 \*Smithal, Green William  
 \*Snyder, John Prentiss  
 Somerville, Donald Leonard  
 Sparks, James Mann  
 Spence, James Harrison  
 \*Spencer, Richard Payne  
 \*Spuhler, Raymond Henderson  
 Stanley, William Ezra, Jr.  
 Stedman, William David  
 Steel, Charles Leighton  
 Hope Valley, R. I.  
 Brookline, Mass.  
 Akron, O.  
 Long Branch, N. J.  
 Evanston, Ill.  
 Dyersburg, Tenn.  
 Kannapolis, N. C.  
 Evansville, Ind.  
 Mt. Lebanon, Pa.  
 Driver, Va.  
 Lakeland, Fla.  
 Corning, N. Y.  
 Helena, Ark.  
 Lexington, Ky.  
 Dallas, Tex.  
 Tucson, Ariz.  
 Phoenixville, Pa.  
 Greenville, N. C.  
 Trenton, N. J.  
 Clyde, N. C.  
 St. Petersburg, Fla.  
 Aurora, Ill.  
 Arlington, N. J.  
 Durham, N. C.  
 Upper Darby, Pa.  
 River Forest, Ill.  
 Johnstown, Pa.  
 Bayside, N. Y.  
 Wyoming, Pa.  
 Grosse Pointe, Mich.  
 Kannapolis, N. C.  
 Norfolk, Va.  
 Richmond, Va.  
 Norfolk, Va.  
 Zanesville, O.  
 Durham, N. C.  
 Riverton, N. J.  
 St. Petersburg, Fla.  
 Richmond, Va.  
 Hendon, London, England  
 Charlotte, N. C.  
 Winston-Salem, N. C.  
 Durham, N. C.  
 Spring Valley, N. Y.  
 Hartford, Conn.  
 Cocoa, Fla.  
 Elmira, N. Y.  
 East Orange, N. J.  
 Raleigh, N. C.  
 Dyersburg, Tenn.  
 Churchville, N. Y.  
 Cumberland, Md.  
 San Diego, Calif.  
 Cleveland Heights, O.  
 Raleigh, N. C.  
 Johnstown, Pa.  
 Durham, N. C.  
 Asheboro, N. C.  
 West Englewood, N. J.



- Stell, Franklin Howard  
 Stetler, Edwin Lohr  
 Stevenson, Donald  
 \*Stonesifer, Edward Arthur, Jr.  
 Stow, James Henry  
 \*Sullivan, Edward James  
 \*Summey, Gilmer Osborne  
 Surlas, Fred Achilles  
 Sutherland, Frank Ellsworth  
 \*Swan, Willard Judson  
 Swenson, Ralph Martin, Jr.  
 \*Swiger, Kenneth Franklin  
 Talton, Wade Turnage  
 Tayloe, William Ennis  
 Taylor, Franklin Walter  
 Tenenbaum, Alfred Irwin  
 \*Tennille, André Townsend  
 Thomas, William Milton  
 \*Thompson, Henry Samuel  
 \*Thompson, Paul Claytor  
 Thompson, William West  
 Topham, John Marshall  
 Tucker, John Wilson  
 Tuke, Theodore Robert  
 \*Vail, Ernest Denton, Jr.  
 Vennell, H. Everett  
 \*Vey, Raymond Lewis  
 Vick, Joe Pitts  
 Vidal, Eugene Clark  
 \*Vogel, Sheldon Alfred  
 \*Waas, Glyndon Heidt, Jr.  
 Walker, Herbert William  
 Walker, James Hunt  
 \*Wallace, Oliver Clare, Jr.  
 Warke, Henry James  
 \*Wartman, William Dorrance  
 \*Weaver, Robert Glenn  
 \*Wellons, Clarence William, Jr.  
 Whitcomb, Wayne Phillip  
 White, Zach Toms  
 Whiteside, Paul Caldwell  
 \*Whittington, Arthur Donnell  
 Willets, Charles Augustus  
 Williams, Christopher Harris, IV  
 \*Williams, Ernest Alfred  
 Wilson, Albert Henry  
 Wilson, Henry Hall, Jr.  
 \*Wilson, Robert Addison  
 Wilson, Richard Moody  
 \*Winston, Paul Dent, Jr.  
 \*Wohlleban, George Henry  
 Wolfe, Nathan Forrest  
 Wolff, Robert Alfred  
 Woolley, John Russell, Jr.  
 \*Wright, Samuel Ernest  
 \*Zinn, Charles Andrew  
 Old Forge, N. Y.  
 Harrisburg, Pa.  
 Meriden, Conn.  
 Baltimore, Md.  
 Durham, N. C.  
 Balboa, Canal Zone  
 Hillsboro, N. C.  
 Mt. Vernon, O.  
 Rosebank, Staten Island,  
 N. Y.  
 Livonia, N. Y.  
 Baltimore, Md.  
 Martins Ferry, O.  
 Smithfield, N. C.  
 Aulander, N. C.  
 Morristown, Tenn.  
 Perth Amboy, N. J.  
 Winston-Salem, N. C.  
 Scranton, Pa.  
 Halifax, Va.  
 Reidsville, N. C.  
 Hallsboro, N. C.  
 Durham, N. C.  
 Mt. Holly, N. C.  
 Rochester, N. Y.  
 Middletown, N. Y.  
 Doylestown, Pa.  
 Hackettstown, N. J.  
 Statesville, N. C.  
 Spring Valley, N. Y.  
 Brooklyn, N. Y.  
 Fernandina, Fla.  
 Woodhaven, N. Y.  
 Raleigh, N. C.  
 Washington, Pa.  
 Atlantic City, N. J.  
 Charlotte, N. C.  
 Terre Hill, Pa.  
 Farmville, N. C.  
 New London, Conn.  
 Hertford, N. C.  
 York, S. C.  
 Durham, N. C.  
 Flushing, N. Y.  
 Washington, D. C.  
 Scarsdale, N. Y.  
 Winston-Salem, N. C.  
 Monroe, N. C.  
 Rumson, N. J.  
 Ridgewood, N. J.  
 Pittsburgh, Pa.  
 Norwich, N. Y.  
 Rocky Mount, N. C.  
 Woodmere, L. I., N. Y.  
 West Long Branch, N. J.  
 Rocky Mount, N. C.  
 Altoona, Pa.

## JUNIOR CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

- \*Anderson, Donald Frederick  
 Ange, Hubert Milton  
 Arrington, Charles Hammond  
 Atwell, Robert James  
 Babenzien, Robert Max  
 Baeder, Robert Lester  
 Baetz, Wilfred George  
 Baker, James Fairfowl  
 \*Barnett, Robert Pray  
 Bastien, Ralph Henry, Jr.  
 Beatty, William Ernest  
 Beckel, Samuel Somerville  
 Beebe, James, Jr.  
 Beller, Sidney  
 Bigham, George Faunce  
 \*Bilane, Frank Joseph, Jr.  
 \*Blalock, George Franklin  
 \*Boehringer, Robert R.  
 Boorman, Bruce Edward W.  
 \*Bortz, Kilmer  
 \*Bragg, Kendrick Robertson  
 Brenna, Joseph Dondiego  
 Broomé, Robert Alexander, Jr.  
 \*Brower, Edwin Neil  
 Brown, Donald Ross  
 Brown, Edward Martin  
 Brown, Henry Clay, III  
 Brown, Stewart Gregory  
 Brown, Richard Rintoul  
 Brownell, Robert William  
 \*Bruckner, Jack Lincoln  
 Brust, Albert Adam  
 Bunce, Edgar Fenn, Jr.  
 Bunn, Robert Hall  
 Byrd, Bacchus Bright  
 Calvin, Reginald Ross  
 Caneschi, Mayo Amelio  
 Cann, John Edward  
 Cann, Robert Nelson  
 \*Cannon, Charles Albert, Jr.  
 \*Cantine, Robert Livingston  
 Carll, Jesse Whilden, III  
 Carnrick, Millard, Jr.  
 Carr, Herbert  
 \*Carson, Howard Francis  
 Carswell, George Harrold  
 Chaffin, James Claude  
 \*Chapin, Harrison Lyon, Jr.  
 \*Chickering, William Alan  
 Clark, Carleton Climer  
 Clay, James Raymond, Jr.  
 Clees, James Cameron  
 Cliff, Benjamin Archibald  
 Collins, John Pope  
 Collins, Melville Nathaniel  
 Connar, Richard Grigsby  
 \*Connar, Robert Virgil  
 Port Allegany, Pa.  
 Jamesville, N. C.  
 Rocky Mount, N. C.  
 Chillicothe, O.  
 Ridgewood, N. Y.  
 Nutley, N. J.  
 Brightwaters, N. Y.  
 Haddonfield, N. J.  
 Albany, Ga.  
 Grosse Pointe, Mich.  
 Litchfield, Conn.  
 Huntingdon, Pa.  
 Lewes, Del.  
 Willimantic, Conn.  
 Carnegie, Pa.  
 Irvington, N. J.  
 Dunn, N. C.  
 Upper Darby, Pa.  
 Snyder, N. Y.  
 Washington, D. C.  
 Savannah, Ga.  
 Trenton, N. J.  
 Rocky Mount, N. C.  
 Hope Mills, N. C.  
 Grosse Ile, Mich.  
 Shreveport, La.  
 Shamrock, Fla.  
 Louisville, Ky.  
 Sewickley, Pa.  
 Washington, D. C.  
 Jamaica, N. Y.  
 Chillicothe, O.  
 Glassboro, N. J.  
 Lorain, O.  
 Morristown, Tenn.  
 Hickman, Ky.  
 Meriden, Conn.  
 Greensboro, N. C.  
 Cambridge, Mass.  
 Concord, N. C.  
 Woodstock, N. Y.  
 Bridgeton, N. J.  
 Montclair, N. J.  
 Newfane, N. Y.  
 Charleroi, Pa.  
 Bainbridge, Ga.  
 Sanford, N. C.  
 Rochester, N. Y.  
 Lakewood, O.  
 Middletown, O.  
 Elizabeth, N. J.  
 Montoursville, Pa.  
 Hendersonville, N. C.  
 Blackfoot, Idaho  
 Meridian, Miss.  
 Rutherford, N. J.  
 Rutherford, N. J.

- \*Connelly, Thomas Francis  
 Covey, William Crocket, Jr.  
 Cowdrick, Thomas William  
 Cox, Howard Louis  
 \*Cox, Jere Coleman  
 Crane, Robert Irwin  
 \*Cromartie, Richard Lemuel, Jr.  
 \*Cruikshank, Harold William  
 Cunningham, Henry Vernon  
 Curry, Robert Whitney  
 Dacey, William John  
 Dailey, Frank Walter  
 \*Dalton, Sam Spach  
 \*Darnell, Leonard Johnson  
 \*Davis, Jasper David, Jr.  
 Davis, Penrose Moore, Jr.  
 Davis, William Hersey, Jr.  
 \*Deane, Carl Brandon  
 \*DeLancey, Charles Edward  
 DeLaney, Ernest Stanhope, Jr.  
 deNeumann, Arthur Ferdinand  
 \*deQuevedo, Rafael Garcia  
 Dickey, James William, Jr.  
 Donegan, Charles Kendall  
 Donnell, Edward Sebek  
 Dotter, Charles Theodore  
 Dozier, John Marion  
 \*Dubois, Louis Eli  
 Ducker, Andrew Leslie, Jr.  
 Duckett, Howard Casey  
 \*Dunne, Steven Arthur  
 Eastwood, Frederick Thomas  
 Edwards, Robert Dixon  
 \*Eldridge, Wade Hampton  
 \*Elliott, Carl Richards  
 Elliott, Frank Samuel  
 Elliott, Joseph Alexander  
 Erickson, Charles Winthrop  
 Everett, Lawrence Shaw, Jr.  
 \*Fergusson, William Willems  
 Fike, Claude Edwin  
 Fike, Edward Lake  
 Fischer, Clifton Franklin  
 Ford, James Arthur, Jr.  
 Foster, Lawrence Hubert  
 \*Fowler, Richard Charles  
 \*Fracher, Louis Hoyt  
 \*Fraser, James Graeme  
 \*Frederick, Lewis Samuel, Jr.  
 \*Freeman, Philip Mansfield, Jr.  
 French, John Martin  
 French, Raymond John  
 \*Frenzel, Charles Herman  
 Fulp, William Marshall  
 Gackenback, Jack Daniel  
 \*Gannon, Harry M.  
 \*Gansz, Paul Whitney  
 Gates, Warren James  
 \*Getman, Thomas Devroe  
 Altoona, Pa.  
 Beckley, W. Va.  
 Philadelphia, Pa.  
 Jonesboro, N. C.  
 Pittsburgh, Pa.  
 Miami, Fla.  
 Garland, N. C.  
 Freeport, N. Y.  
 Durham, N. C.  
 Bradenton, Fla.  
 Meriden, Conn.  
 Dunkirk, N. Y.  
 Winston-Salem, N. C.  
 Winston-Salem, N. C.  
 Wilson, N. C.  
 Downingtown, Pa.  
 Louisville, Ky.  
 Charlottesville, Va.  
 Upper Darby, Pa.  
 Charlotte, N. C.  
 Gloucester County, Va.  
 Chevy Chase, Md.  
 Fort Lauderdale, Fla.  
 Largo, Fla.  
 Cleveland Heights, O.  
 Freeport, N. Y.  
 Rocky Mount, N. C.  
 Duquesne, Pa.  
 Charlotte, N. C.  
 Marietta, Ga.  
 Ticonderoga, N. Y.  
 Burlington, N. J.  
 Mt. Gilead, N. C.  
 Mt. Airy, N. C.  
 Augusta, Ga.  
 Millville, Pa.  
 Charlotte, N. C.  
 New Rochelle, N. Y.  
 Laurinburg, N. C.  
 Akron, O.  
 Ahoskie, N. C.  
 Ahoskie, N. C.  
 Scranton, Pa.  
 Orlando, Fla.  
 Jenkintown, Pa.  
 Mt. Vernon, N. Y.  
 Detroit, Mich.  
 Charlotte, N. C.  
 Shelbyville, Ky.  
 Pelham, N. Y.  
 Washington, D. C.  
 Bridgeport, Conn.  
 Jamaica, L. I., N. Y.  
 Winston-Salem, N. C.  
 Wyoming, Pa.  
 St. Albans, L. I., N. Y.  
 Buffalo, N. Y.  
 Durham, N. C.  
 Winnetka, Ill.

- \*Geyer, Walter Pooley, Jr.  
Gibson, Marvin M.  
\*Gomer, Charles August  
Goodson, William Alexander, Jr.  
Gottesman, Dan  
Graham, Emil Joseph  
Greathouse, Frank Lee, Jr.  
\*Greene, Cecil Shirley, Jr.  
Greene, John Howard, Jr.  
Griffin, William Ray, Jr.  
Gross, Paul Magnus, Jr.  
Guyn, Thomas Jack  
Hackney, Edward June  
Hadsell, Jess Lee  
Hancock, Robert Whitney  
\*Happ, Frank Morris  
\*Harriss, Meader Williams, Jr.  
†Hart, Errol Lee  
Hawfield, Harold Houston  
Hawkins, Louis Golson  
Heath, Bayard Emerson, Jr.  
Henderson, Charles Jenkins  
\*Henderson, Charles Tracy  
\*Herold, Paul Garmer  
\*Hewitt, Robert Patrick  
\*Hoerle, Robert Caspar  
Hollmeyer, Joseph G.  
\*Holmes, Elwin Franklin  
\*Holt, Malcolm DuVal  
Honaker, William Clayton  
\*Howard, Waite Westley, Jr.  
Hunter, Robert  
Huntoon, Hugh Sutton  
Hutson, Albert Rawlings, Jr.  
Iiinsky, Charles Adelbert  
Ingram, James Mayhew, Jr.  
Jackson, Ira Joel  
Jamieson, David Mills  
\*Jennings, Tom Bland  
Johnson, Gale Denning  
\*Johnston, Leon Mack  
Jones, Paul Winthrop, Jr.  
Joyner, Aquilla H., Jr.  
Katzenmeyer, Jack William  
Keagy, Charles William  
Keeler, Richard Ashmead  
\*Keller, William Lordan  
Kelley, Walter McCoy  
\*Kendrick, William Addison  
Kernodle, William Henry  
Kerstetter, Nevin  
\*Killian, Frank Edward  
Kister, Alfred Barber, Jr.  
Knowles, John William  
Koenig, Helmut Paul  
Kubek, Robert Bruce  
Ladd, Robert Dwinell  
Lamason, Robert Hopkins  
Snyder, N. Y.  
Douglas, Ga.  
New York, N. Y.  
Winston-Salem, N. C.  
Atlanta, Ga.  
Franklin, N. C.  
Rocky Mount, N. C.  
Mt. Sterling, Ky.  
Slab Fork, W. Va.  
Asheville, N. C.  
Durham, N. C.  
San Francisco, Calif.  
Durham, N. C.  
Wheeling, W. Va.  
Garden City, N. Y.  
Macon, Ga.  
Sanford, N. C.  
East Orange, N. J.  
Penderlea, N. C.  
Fort Deposit, Ala.  
Robinson, Ill.  
Charlotte, N. C.  
Durham, N. C.  
Baltimore, Md.  
Asheville, N. C.  
Johnstown, Pa.  
Mountain Lakes, N. J.  
Dunn, N. C.  
Lynchburg, Va.  
Bluefield, W. Va.  
Durham, N. C.  
Delanco, N. J.  
Fairbury, Ill.  
Utica, N. Y.  
Rutland, Vt.  
Tampa, Fla.  
Omaha, Neb.  
Patchogue, N. Y.  
Durham, N. C.  
Dunn, N. C.  
Durham, N. C.  
Suffield, Conn.  
Morehead City, N. C.  
Lakewood, O.  
Altoona, Pa.  
Mt. Airey, Philadelphia, Pa.  
Bridgeport, Conn.  
Dublin, Ga.  
Saginaw, Mich.  
Durham, N. C.  
California, Pa.  
Beaver Falls, Pa.  
Beechwood Park, Delaware  
Co., Pa.  
Deland, Fla.  
Staten Island, N. Y.  
Cleveland Heights, O.  
Greenfield, Mass.  
Williamsport, Pa.

- Landers, Albert Russ  
 Lang, Cecil Yelverton  
 \*Langston, Thomas Edward  
 Larson, Erwin Andrew  
 Latham, James Farr  
 Latimer, Collie Tom, Jr.  
 Lawrence, Stephen Reid  
 Leeper, William Edward, Jr.  
 Leitheiser, Karl Arthur  
 Leland, Dexter Farnham  
 Lengyel, Stephen James  
 Lester, Robert M., Jr.  
 Lewis, Harold Boyd, Jr.  
 Lewis, Richard Edward  
 \*Leys, Robert Sinclair  
 Light, Frank Gristock  
 Lineberger, Robert Henry  
 Little, Robert Dickson  
 Long, Jesse Dobson, Jr.  
 Long, Robert Fletcher  
 Lum, Hung Wah  
 \*Lyles, George Washington, Jr.  
 \*McAfee, Taylor Wesley  
 McCloud, Robert Olmsted  
 McDaniel, Arthur, Jr.  
 McDermott, Raymond Lipscomb  
 \*McGhee, James Thomas  
 MacGahan, John Alexander  
 MacLeod, Gordon Campbell  
 Marion, James Matthew  
 Marsh, James White  
 \*Mees, Thomas Leo  
 \*Megaw, Robert Neill Ellison  
 Mellon, Robert  
 Miles, Robert Lewis  
 Miller, Robert Wallace  
 Mimms, Carney Wilson  
 Mitchell, Donald Campbell  
 Mitchell, Charles Mayness  
 Moise, Francis Marion  
 Moody, James Donaldson  
 Moore, Benson Rogers  
 Moore, Robert Field  
 Moore, Tom Murphy  
 Morris, Joseph Snowden  
 \*Morris, Sebastian Napoleon, Jr.  
 Moyer, Robert Holden  
 Murdick, Robert Gordon  
 Murphy, Charles Louis  
 \*Murphy, Fred George  
 Myers, Hugh Kennedy  
 Nakayama, Yukio  
 \*Nania, John Bastiste, Jr.  
 Nelson, Robert Lewis  
 Neuman, Frank Allen  
 Newman, Harold Hastings, Jr.  
 Newton, Carl Davidson, II  
 Nickel, Harry William  
 Niebel, Charles Russell  
 Goshen, Ind.  
 Walstonburg, N. C.  
 Greensboro, N. C.  
 Emporium, Pa.  
 Washington, N. C.  
 Dunn, N. C.  
 Brooklyn, N. Y.  
 Gastonia, N. C.  
 Belleaire, Fla.  
 Hamilton, N. Y.  
 Naugatuck, Conn.  
 New York, N. Y.  
 Asbury Park, N. J.  
 Lakewood, O.  
 Freeport, N. Y.  
 Newtonville, Mass.  
 Lincolnton, N. C.  
 Raleigh, N. C.  
 Winston-Salem, N. C.  
 Baltimore, Md.  
 Honolulu, Hawaii  
 Thomasville, N. C.  
 Ironton, O.  
 Kenilworth, Ill.  
 Forest City, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Orange, N. J.  
 Buffalo, N. Y.  
 Mt. Airy, N. C.  
 Monroe, N. C.  
 Washington, D. C.  
 New York, N. Y.  
 Durham, N. C.  
 Danville, Va.  
 Plainfield, N. J.  
 Ocala, Fla.  
 Evanston, Ill.  
 Buies Creek, N. C.  
 Sumter, S. C.  
 East Brady, Pa.  
 East Gardner, Mass.  
 Trenton, N. J.  
 Louisville, Ky.  
 Belmont, Mass.  
 Jasper, Ala.  
 Harrisburg, Pa.  
 Albany, N. Y.  
 Miami Beach, Fla.  
 Jamestown, N. Y.  
 Silver Springs, Md.  
 Tacoma, Wash.  
 Middletown, N. Y.  
 New Berlin, N. Y.  
 Woodcliff, N. J.  
 Salisbury, N. C.  
 San Antonio, Texas  
 Maplewood, N. J.  
 Palo Alto, Calif.

- Norton, George Worthington  
 Odell, Robert Harris  
 Olive, John Worth  
 Orr, John Barclay  
 Owen, Judson Lewis, Jr.  
 \*Page, Billy Joe  
 Parke, Donald Wright  
 Patterson, Charles Junior  
 Peace, Roger Croft, Jr.  
 \*Penhallegon, Edward England  
 \*Pepper, James Arthur  
 \*Perkins, Rex Beach  
 Perkins, William Hale  
 Peterson, Douglas Fayette, Jr.  
 \*Pierce, Carl Preston  
 Pike, Robert Edgar  
 \*Porter, Joseph Edward  
 \*Price, Glenn Frederick  
 Prillaman, David Crockett  
 Rankin, Douglas Rohrer  
 Rapoport, Herman Leonard  
 Rencken, Donald Robert  
 Rhodes, Bernard Leonidas  
 Rhyne, Robert Smith  
 Rickerby, Arthur Burroughs  
 \*Risedorf, Harry Myers, Jr.  
 Rogers, Stanfield  
 \*Ruffa, Anthony McAllister  
 Ryan, Denis  
 Ryon, David Osmond  
 Sadler, W. Thaddeus, Jr.  
 Sanborn, Charles Francis  
 Sattenspiel, Edward  
 Satterwhite, Randall Griffin  
 \*Saye, Wilburn Earle  
 Schwarz, Robert Leickel  
 Seevers, Delmar Oswell  
 Shannehan, Donald Vincent  
 Shaw, James Maddock  
 Sheals, Ralph Augustus, Jr.  
 Shepard, Allen Samuel  
 Shields, Samuel Moyer  
 Shlimbaum, Charles William  
 \*Shokes, Eddie Christopher  
 Silverthorne, Mervin Clark  
 Skinner, Charles Boyd  
 Smart, Tom Davis  
 Smith, Frank Monroe, Jr.  
 Smith, Harold Kenneth, Jr.  
 Smith, Robert Percy, Jr.  
 Snow, James Wilbur  
 Sparks, Bayne Albert  
 \*Stackhouse, Donald Scott  
 Stanley, Horace Goodman  
 Stanwood, Arthur Webster  
 Stata, Charles Melvin  
 Stephens, Allan Wilbur  
 Stephens, Richard Lockwood  
 \*Stoeckel, John Rowland  
 Wheeling, W. Va.  
 New York, N. Y.  
 Durham, N. C.  
 Miami Beach, Fla.  
 Miami Beach, Fla.  
 Albemarle, N. C.  
 Binghamton, N. Y.  
 Harrodsburg, Ky.  
 Greenville, S. C.  
 Decatur, Ill.  
 Jobabo Orient, Cuba  
 New Egypt, N. J.  
 New Egypt, N. J.  
 Winston-Salem, N. C.  
 Greenville, N. C.  
 Jenkintown, Pa.  
 Durham, N. C.  
 Beaver Falls, Pa.  
 Southern Pines, N. C.  
 Camp Hill, Pa.  
 Portsmouth, Va.  
 Jamaica, N. Y.  
 Live Oak, Fla.  
 Ridgewood, N. J.  
 New York, N. Y.  
 Winsted, Conn.  
 Dyersburg, Tenn.  
 Washington, Pa.  
 Washington, D. C.  
 Washington, D. C.  
 Raleigh, N. C.  
 East Orange, N. J.  
 Jersey City, N. J.  
 Rochester, N. Y.  
 Columbia, S. C.  
 Catasauqua, Pa.  
 St. John, Kansas  
 Springfield, Mass.  
 Bronxville, N. Y.  
 Arlington, Va.  
 Palm Beach, Fla.  
 Lewes, Del.  
 Bay Shore, N. Y.  
 Charleston, S. C.  
 Scarsdale, N. Y.  
 Hartsville, S. C.  
 Fort Smith, Ark.  
 Allentown, N. J.  
 Jacksonville, Fla.  
 Portland, Ore.  
 Vista, Calif.  
 Washington, D. C.  
 Easton, Pa.  
 Durham, N. C.  
 Waban, Mass.  
 Needham Heights, Mass.  
 Westfield, N. J.  
 Wilmington, Del.  
 Georgetown, Del.



*Sunas, Ernest Constantine	Durham, N. C.
*Talcott, Jess Wingert	Joliet, Ill.
*Tantum, Frank	Nutley, N. J.
Taylor, Charles House	Legion, Texas
Taylor, Joseph W., Jr.	Tampa, Fla.
Telep, John Nicholas, II	Garfield, N. J.
*Thompson, Arthur Blair	York, Pa.
Townsend, Bertram Fairley	Nutley, N. J.
*Trakas, George Andrew	Gastonia, N. C.
Turner, Robert Russell	Butler, Pa.
Tyler, John Anderson, Jr.	Wagener, S. C.
Underwood, J. Harry	Middlesex, N. Y.
*Valasek, Cyril John	Ford City, Pa.
Vennema, John, Jr.	Kenilworth, Ill.
Vogel, Victor Leon	Sterling, Kan.
*Von Gal, Herbert Vreeland	Danbury, Conn.
Wade, William Earl	Dunn, N. C.
Wade, William Wallace, Jr.	Durham, N. C.
*Wallace, John Chisholm	Troy, N. C.
Ward, Peter	Grosse Ile, Mich.
Wearley, Donald Byers	Perrysburg, O.
Wedow, Sheridan Holly	Chicago, Ill.
*Wehunt, Lloyd Dixon	Cherryville, N. C.
*Weit, Leon Forrest	Ephrata, Pa.
*Welsh, William Jamieson	Bayside, N. Y.
Welton, William D., Jr.	Pelham Manor, N. Y.
Wentz, Henry Stauffer	Leola, Pa.
*Werneke, Francis Henry	Narrowsburg, N. Y.
Wetmore, Robert Jackson	Durham, N. C.
Whiteside, William Carl	York, S. C.
Whiting, Jesse Evans	West Orange, N. J.
Widgery, Rolande Carpenter	Durham, N. C.
Willmott, James Ian	Greenwich, Conn.
*Wilson, Penrhyn, Jr.	Wayne, Pa.
*Winkin, John Worde, Jr.	Englewood, N. J.
Woolner, Edward Sigmund, Jr.	St. Petersburg, Fla.
*Workman, Henry Dodge	Pensacola, Fla.
Worrill, Edmund Hood	Leesburg, Fla.
Wotrubez, Robert	Port Chester, N. Y.
Wright, John Edward	Aurora, Ill.
Yarborough, John Archibald	Raleigh, N. C.
Yount, Marvin Edward	Graham, N. C.
Zabriskie, George	Caldwell, N. J.
Zbikowski, Francis William	Terryville, Conn.

## SENIOR CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

Ader, Paul Fassett	Coleridge, N. C.
Albee, Fred Houdlett, Jr.	Venice, Fla.
*Alexander, Stewart Murray, Jr.	Durham, N. C.
Allen, Augustus Thomas, Jr.	Raleigh, N. C.
*Allison, James Tyler	Oswego, N. Y.
Armstrong, Fred Williamson	Gastonia, N. C.
*Atkins, Lloyd Jackson	Gastonia, N. C.
Atkins, Junius Ernest, Jr.	Raleigh, N. C.
*Atkins, Wade Winston, Jr.	Greensboro, N. C.
Auld, Fred Herron	Charleston, W. Va.
*Bailey, Edgar Lee	Lexington, N. C.
Bailey, William Bradford	Rochester, N. Y.

Baldwin, Alan Thorrestруп	Wilmington, Del.
Bane, William Hormell	Connellsville, Pa.
*Banks, Albert Lawrence	Somerville, N. J.
*Barnicoat, John Ellard	Warwick, R. I.
†Barton, Lee Samuel	Muskogee, Okla.
*Bass, George Carlton	Binghamton, N. Y.
Battle, Guy Arthur	Sumter, S. C.
Baylor, Norman Stanley	Washington, N. J.
*Beck, John Adney	Bedford, N. H.
Beckel, Frank Louis	Huntingdon, Pa.
Beightol, Guy Dixon	Cumberland, Md.
†Berger, William A.	Rahway, N. J.
*Berkeley, William Thomas, Jr.	Washington, D. C.
Berner, Guy Pershing	Buffalo, N. Y.
*Bew, James William	Margate City, N. J.
*Blake, Donald Edward	New Rochelle, N. Y.
†Blake, Peter James, Jr.	New Hartford, N. Y.
Blanton, Neil Coron	Shelby, N. C.
Bond, Borden Ray	Hyannis, Mass.
Bone, Frank Cutchin	Rocky Mount, N. C.
Bonnet, Joseph Lambert	Orange, N. J.
Bost, Webb	Charlotte, N. C.
Boutwell, Rufus Cecil, Jr.	Durham, N. C.
Bowman, James Spicer	Harrisburg, Pa.
Brett, Lawrence, Jr.	Wilson, N. C.
Bridgers, Ben Cole, Jr.	Durham, N. C.
Brinn, Rufus Timothy	Hertford, N. C.
†Britton, John Bossard	Sumter, S. C.
Brooks, Clyde Speer	Bellevue, Pittsburgh, Pa.
*Brown, Oscar Oswald, Jr.	Tampa, Fla.
Brown, Travers Gatewood, Jr.	Brooksville, Fla.
Browning, John Duron	Daytona Beach, Fla.
Brush, Richard Felton	Brookline, Mass.
*Burns, John Gordon	Asheville, N. C.
*Bynum, Aaron Headen	Rock Hill, S. C.
*Carey, Charles Leo	Lawrence, Mass.
Carter, James Walter	Washington, D. C.
*Champion, Battle Wilson	Clayton, N. C.
Chapman, John Franklin	Hagerstown, Md.
Church, Forrest Edward	Winston-Salem, N. C.
Clarke, Finley Theodore, Jr.	Morgantown, N. C.
Cogswell, Sumter Aldage	Chattanooga, Tenn.
Cole, George Davis, Jr.	Newport News, Va.
Collins, Trela Dempsie, Jr.	Durham, N. C.
Conner, Henry Clay, Jr.	East Orange, N. J.
Coplan, Edwin	Columbia, S. C.
*Cornell, Paul Adrian	Chicago, Ill.
Cotter, Norman Bernard	Fort Lauderdale, Fla.
*Covington, James Carlwyn	Charlotte, N. C.
Craven, Clyde Rober, Jr.	Charlotte, N. C.
†Crigler, John Fielding, Jr.	Charlotte, N. C.
†Crumpacker, William Johnson	Durham, N. C.
Culbreth, George Bernice	Chapel Hill, N. C.
Culbreth, George Gordon	New Bern, N. C.
†Davenport, John Purinton	Washington, D. C.
*Davis, Laurence Columbus	Gastonia, N. C.
*Davis, Thomas Jeffrey, Jr.	Harrisville, W. Va.
*Davis, Walter Barney, Jr.	Naugatuck, Conn.

† Requirements for graduation completed in Summer School, 1939.

- \*DeVolentine, Joel Monroe  
 Diller, Fred Eugene  
 Dimond, Charles Leigh  
 †Dollard, John Taft  
 Donnelly, John Reynolds  
 †Donnelly, Raymond William  
 Dube, Bertram James  
 Duncan, James Rankin, Jr.  
 Eager, Howard  
 Eagles, William McCoy  
 Eaves, Willard Howard  
 Eitner, Lorenz Y. Zoroaster  
 Eldridge, Fred Phillips  
 Elias, Bernard Lane  
 Emmett, David William  
 Emory, Earl Leroy, Jr.  
 Enfield, Samuel Ernest  
 \*Epperson, William Thomas  
 Erich, Frederick Walter  
 Erickson, Elmer William  
 Eubanks, Ira Sankey, Jr.  
 Everett, Robert James  
 Farrell, John Cahill  
 \*Files, Richard Webster  
 Flentye, William Henry, Jr.  
 Fletcher, Theodore Roger  
 Forrester, Roy William  
 Forsberg, Raynor Morgan  
 Forssell, Gustav Frederick  
 \*Fowler, Preston Leroy, Jr.  
 \*Fraley, Harry Howard  
 Friedlander, Max  
 Fuston, Sam Del, Jr.  
 Galbreath, Jack Baylor  
 †Gannon, Paul Thomas  
 \*Gardner, Joe Tate  
 Garlock, Harold George  
 Garrett, Norvin Wile  
 Garrick, Donald David  
 Gerard, Frank Hight  
 Goat, Arthur Fred  
 Gobble, Fleetus Lee, Jr.  
 Goldberg, Robert Abraham  
 Goldstein, Joseph Abraham  
 Goode, Thomas Vance, Jr.  
 Gray, Duncan Campbell  
 Gregson, Jack Rogers  
 Griffin, Gerald Laurens  
 \*Gross, John Lewis  
 Guerry, Davenport, Jr.  
 Haas, Morton V. B., Jr.  
 Hacker, John Pierce  
 Halsema, James Julius  
 Handeyside, Bruce Raymo  
 †Hanig, William Fred  
 Hank, Oscar Charles, Jr.  
 Hanlon, Thomas Joseph  
 Hardie, Dwight Wooster  
 Coral Gables, Fla.  
 McComb, O.  
 Baltimore, Md.  
 Great Lakes, Ill.  
 Yonkers, N. Y.  
 South Norwalk, Conn.  
 Hudson Falls, N. Y.  
 Jeannette, Pa.  
 Fort Sam Houston, Texas  
 Fountain, N. C.  
 Athens, Tenn.  
 Kew Gardens, L. I., N. Y.  
 Rouses Point, N. Y.  
 Asheville, N. C.  
 New York, N. Y.  
 Washington, N. C.  
 Cumberland, Md.  
 Durham, N. C.  
 Jamaica, N. Y.  
 Irwin, Pa.  
 Durham, N. C.  
 Kingston, N. Y.  
 Norwich, N. Y.  
 East Orange, N. J.  
 Aurora, Ill.  
 Scarsdale, N. Y.  
 Dillon, Mont.  
 Emsworth, Pa.  
 Staten Island, N. Y.  
 Durham, N. C.  
 Cherryville, N. C.  
 Moultrie, Ga.  
 Murfreesboro, Tenn.  
 Benham, Ky.  
 Glen Rock, N. J.  
 Miami, Fla.  
 Lockport, N. Y.  
 Ahoskie, N. C.  
 Naugatuck, Conn.  
 Drexel Hill, Pa.  
 Brooklyn, N. Y.  
 Winston-Salem, N. C.  
 North Conway, N. H.  
 Salem, N. J.  
 Statesville, N. C.  
 Pelham, N. Y.  
 Morristown, N. J.  
 Durham, N. C.  
 North Braddock, Pa.  
 Macon, Ga.  
 St. Simons Island, Ga.  
 Detroit, Mich.  
 Baguio, Philippine Islands  
 Wayne, Mich.  
 Elmhurst, N. Y.  
 Paducah, Ky.  
 Scarsdale, N. Y.  
 Binghamton, N. Y.

† Requirements for graduation completed in Summer School, 1939.

- \*Hardy, Jack Louis  
Hart, Bertram Willoughby, Jr.  
Hastings, Thomas Johnston, Jr.
- †Hauser, Edward Michael
- \*Hayes, Maurice Lawrence  
Heaton, Robert Earl
- \*Heddesheimer, William George, Jr.
- \*Heisinger, Donald Ernest  
Heller, Robert Chester
- \*Hewlett, John Divine  
Hiatt, Wilks Otho, Jr.  
Himadi, David Ellsworth
- \*Hobgood, William Langhorne  
Hoffman, William James
- †Holding, Willis Askew  
Hollyday, John Samuel  
Horger, Eugene Leroy, Jr.
- \*Horton, William Sidney  
House, Ralph Dunford
- \*Howe, Robert Emmet, Jr.  
Hubbell, Jay Broadus, Jr.
- †Huck, William Richard  
Hull, Burnett Norton
- †Inglis, Edward Sylvester  
Ingram, Charles Hal
- \*Inks, Samuel Wesley, Jr.  
Irving, Henry Vere  
Jaffey, Herbert  
Jenkins, William Adrian, Jr.
- \*Jessup, Julian Clyde  
Jester, Norman Towson  
Johantgen, Richard Francis  
John, Winfield Clinton
- \*Johnson, Allen Starling, Jr.  
Johnson, William Louis
- \*Jones, George Tyree  
Jones, Martin Evans, Jr.  
Jones, Ralph Jacob, Jr.
- \*Jones, Robert Pepin, Jr.
- \*Jordan, Faison Calvert
- \*Jordan, John Sharp  
Kelly, Converse Beach  
Kemper, Charles Alexander
- †Kendrick, Jack Omer
- †Kerr, Walter James  
Keusch, Allan William
- \*Kirkman, P. V., Jr.  
Kuhn, Harold
- †Lambeth, Ralph McAuley  
Lange, John Arthur  
Laning, Eugene LaRue, Jr.  
Latimer, Clarence Vnette, Jr.  
Lautz, Robert Warren  
Leland, Stuart Brandon  
Leopoldt, Richard Warren  
Levy, Herbert Fies  
Lewis, Philip  
Lifsey, Julian H., Jr.
- Goldsboro, N. C.  
Auburndale, Fla.  
Westfield, N. J.  
Glenside, Pa.  
New York, N. Y.  
Andrews, N. C.  
Yonkers, N. Y.  
Stamford, Conn.  
East Orange, N. J.  
Long Island, N. Y.  
Savannah, Ga.  
Ridgewood, N. J.  
Durham, N. C.  
Hyannis, Mass.  
Raleigh, N. C.  
Funkstown, Md.  
Columbia, S. C.  
Raleigh, N. C.  
Zebulon, N. C.  
Cincinnati, O.  
Durham, N. C.  
Bloomfield, N. J.  
Rome, Ga.  
Great Neck, N. Y.  
High Point, N. C.  
Dawson, Pa.  
Edmonton, Alberta, Canada  
Somerville, N. J.  
Marion, N. C.  
Hertford, N. C.  
Washington, D. C.  
Dansville, N. Y.  
Uniontown, Pa.  
Lexington, N. C.  
Wheeling, W. Va.  
Durham, N. C.  
Granite Falls, N. C.  
Jamaica Plain, Mass.  
Bayside, L. I., N. Y.  
Shanghai, China  
Mount Airy, N. C.  
Germantown, Pa.  
Baltimore, Md.  
Ripley, Miss.  
Rumson, N. J.  
Morristown, N. J.  
High Point, N. C.  
Charleston, W. Va.  
Thomasville, N. C.  
Salineville, O.  
Bridgeton, N. J.  
Deposit, N. Y.  
Buffalo, N. Y.  
New York, N. Y.  
Glen Rock, N. J.  
Birmingham, Ala.  
Cochran, Ga.  
Miami Beach, Fla.

† Requirements for graduation completed in Summer School, 1939.

- Linden, Edwin Robert  
 \*Little, Brooks Bivens  
 \*Livengood, David Johnson  
 \*Lose, Robert Norman  
 Lunsford, Foy Lee  
 Lyle, John Robert  
 \*McAfee, George Anderson  
 \*McCormick, Robert John, II  
 \*McCutchen, Robert White, Jr.  
 \*McInnis, Alex Nott, Jr.  
 McKibbin, Dave B.  
 McMackin, Frank Joseph  
 McMillin, Elbert Raymond, Jr.  
 McNeilly, John Jere  
 MacGillivray, Roswell Fred  
 Maddern, Whitby Kingston  
 Malone, Thomas Patrick  
 Maltby, Lucius Foote, Jr.  
 Manning, Benjamin Everette  
 \*Manry, Lawrence Edward  
 Mariani, Roland Guilio  
 †Markham, Frank Turner  
 Marlowe, Rufus Edward  
 Martz, Edward Everts  
 \*Megaw, Wesley Ellison  
 †Meldrum, George Boysen  
 Melson, Thomas Warren  
 Melville, Lincoln Raymond  
 Mercer, Cassa Jay, Jr.  
 Miller, Graham Conrad  
 \*Miller, Roy Paul  
 \*Miller, William Ellsworth, Jr.  
 Moehring, Wallace Oher  
 Moffett, Robert Preyer  
 \*Montfort, Robert John  
 Moore, James LeGrand  
 \*Morel, Edward LaSalle, Jr.  
 Morgan, Horace Lee  
 Morningstar, James Irvin  
 \*Morris, Arthur Allen, Jr.  
 Morrow, Thomas Camill  
 Mouk, Richard Charles  
 Muelenaer, Andre Albert  
 \*Mugele, Charles Peter  
 \*Mulligan, Aloysius Alphonsus  
 \*Neill, Dugald Tucker  
 Nelson, Herman Berg  
 Neuburger, Robert Frank  
 O'Mara, Robert James  
 O'Neil, Robert Edward  
 Onken, Fred Ludwig, Jr.  
 \*Orton, James Richard  
 Owen, Murray Harris  
 Page, Hugh, Jr.  
 Palmer, Jack Keith  
 Park, Robert Laughlin  
 Parsons, William Kantner  
 Payton, John Edwin  
 Hancock, N. Y.  
 Fayetteville, N. C.  
 Durham, N. C.  
 Philadelphia, Pa.  
 Durham, N. C.  
 Bloomsburg, Pa.  
 Ironton, O.  
 Wilmington, Del.  
 Bishopville, S. C.  
 Gulf Hammock, Fla.  
 Indianapolis, Ind.  
 Jersey City, N. J.  
 Fayetteville, Tenn.  
 Seaford, Del.  
 Westfield, N. J.  
 Branford, Conn.  
 Mahanoy City, Pa.  
 Wallingford, Conn.  
 Williamston, N. C.  
 Edison, Ga.  
 Rumson, N. J.  
 Tiptonville, Tenn.  
 Wilson, N. C.  
 Pine Grove Mills, Pa.  
 New York, N. Y.  
 Langhorne, Pa.  
 Forty Fort, Pa.  
 Buffalo, N. Y.  
 Baldwinsville, N. Y.  
 Miami, Fla.  
 Irwin, Pa.  
 Sunbury, Pa.  
 Orangeburg, N. Y.  
 Greensboro, N. C.  
 Queens Village, N. Y.  
 Raleigh, N. C.  
 Staten Island, N. Y.  
 Savannah, Ga.  
 Dawson, Pa.  
 Winston-Salem, N. C.  
 Buffalo, N. Y.  
 South Orange, N. J.  
 Rosedale, L. I., N. Y.  
 Pittsburgh, Pa.  
 Harrison, N. J.  
 Bayside, N. Y.  
 Tamaqua, Pa.  
 Maplewood, N. J.  
 Ashland, Ky.  
 Hyannis Port, Mass.  
 Brooklyn, N. Y.  
 Lewes, Del.  
 Stratford, Conn.  
 Clayton, N. C.  
 Delmar, N. Y.  
 Washington, D. C.  
 Altoona, Pa.  
 Cleveland, O.

† Requirements for graduation completed in Summer School, 1939.

- Peabody, Arthur William  
 Penfield, Addison Pierce  
 \*Perdue, Charles Willard  
 \*Perry, Thomas  
 \*Peters, William Darius  
 Pierce, Frank Chevallie  
 Powers, Leonard Stewart  
 \*Pratt, Clarence Hoar  
 Price, Theodore Edwin  
 Ralston, Adolph Henry  
 Range, James Jacob  
 Ratliff, Cliff, Jr.  
 †Reisner, William Harry, Jr.  
 †Reynolds, John Brad  
 Reynolds, Thomas Davies  
 \*Ribar, Frank Andrew  
 Rice, Robert Coleman, Jr.  
 Richards, John Wendell  
 Richardson, John Woodward, Jr.  
 †Riley, William Joseph, III  
 Robb, Spencer Hamilton  
 Roberts, William Wallace  
 \*Robinson, Roger Walcott  
 Robinson, Theodore Montgomery  
 Rodgers, Francis Marion, III  
 Rowley, Kenneth Johnson  
 Ruff, Gordon McAllister  
 Ruskin, Richard Allan  
 Russell, Henry Hawley  
 \*Sally, William Albert  
 Sanford, Daniel D., Jr.  
 Satterthwaite, Joshua Paul, Jr.  
 Schlear, Edward Kenneth  
 \*Searight, Henry Brown  
 \*Shane, Robert Clark  
 \*Sharpe, Daniel Monroe, Jr.  
 Shinn, John Lloyd, Jr.  
 Shoaf, Francis Arista  
 \*Silva, John Matheson  
 Simmons, Clarence Fred, Jr.  
 Singleton, George Washington Freeman  
 Smith, Robert Ross  
 Snyder, George K.  
 †Sommers, Paul Adams  
 Souders, Floyd Benton  
 \*Spangler, Robert Frank  
 Staley, Edwin Lewis  
 \*Stearns, James Coleman  
 Stetler, Nevin  
 Stivers, Robert Winthrop  
 †Stone, George Henry  
 Stone, Zeb Judd  
 Strausbaugh, John Dean  
 Strickland, Fred Paul  
 †Strickland, Roscoe Lee, Jr.  
 \*Stubbs, David Leon, Jr.  
 Stull, Richard John  
 Holden, Mass.  
 Meriden, Conn.  
 Thomasville, N. C.  
 Tampa, Fla.  
 Union City, N. J.  
 Winchester, Va.  
 Mayodan, N. C.  
 Altoona, Pa.  
 Maplewood, N. J.  
 Middlesboro, Ky.  
 Johnson City, Tenn.  
 Morven, N. C.  
 Hagerstown, Md.  
 Mt. Savage, Md.  
 Biltmore Station, Asheville,  
 N. C.  
 West Aliquippa, Pa.  
 Lakewood, O.  
 Scranton, Pa.  
 White Plains, N. Y.  
 Hollis, N. Y.  
 Athens, Tenn.  
 Brooklyn, N. Y.  
 Concord, Mass.  
 Flushing, N. Y.  
 Detroit, Mich.  
 Hamden, Conn.  
 Tenafly, N. J.  
 New Rochelle, N. Y.  
 Coral Gables, Fla.  
 Durham, N. C.  
 Garden City, N. Y.  
 Westfield, N. J.  
 Hamburg, Pa.  
 Washington, N. C.  
 Washington, D. C.  
 Hertford, N. C.  
 Sylacauga, Ala.  
 Kokomo, Ind.  
 Hyannis, Mass.  
 Rockville Centre, N. Y.  
 Selma, Ala.  
 Maplewood, N. J.  
 Williamsport, Pa.  
 Maplewood, N. J.  
 Fayetteville, N. C.  
 Newport News, Va.  
 Harrisburg, Pa.  
 Jacksonville, Fla.  
 York, Pa.  
 Maplewood, N. J.  
 Worcester, Mass.  
 Durham, N. C.  
 Columbus, O.  
 Cincinnati, O.  
 Maplewood, N. J.  
 Aurora, N. C.  
 Washington, Pa.

† Requirements for graduation completed in Summer School, 1939.



- Summerville, Alexander  
 \*Sweeney, John William, Jr.  
 Tally, Joseph Oscar, Jr.  
 Teichmann, Henry Frederick  
 Thomas, James Claborn  
 Thomas, John Howard  
 Thompson, Evan Lewis  
 Tischler, Warren William  
 †Tolson, Edward Lawrence, Jr.  
 \*Tompkins, Everett  
 \*Towne, Robert Danforth  
 Townsend, Roswell George  
 Trabue, Douglas Small  
 †Turner, Stanley John  
 \*Ulmer, David Heading Bartine, Jr.  
 Unger, Maurice Albert  
 †Vaughan, James Robert  
 Veal, Curry Speed  
 Vernon, Leonard Joseph  
 \*Vickery, Robert Fred  
 Vinson, J. William  
 Vogdes, James McAllister  
 Wade, Henry King, Jr.  
 Wagner, Charles Norval  
 Wagner, John William, Jr.  
 Wagner, Walter  
 \*Walker, Judith Clement  
 Wall, George W., Jr.  
 \*Wallace, Winfield Scott, Jr.  
 Walter, Edward Henry  
 Wanzer, Charles Robert  
 †Ward, Thurman  
 \*Wascher, Howard Charles  
 †Watson, Jack Lawrence  
 Watson, Walter Brown  
 Weith, Archie James, Jr.  
 \*Welch, Harry Lee  
 Welch, Jack Tyler  
 Wert, Robert Wesley  
 \*West, George Collins, Jr.  
 Westerfield, Stanley Woodward  
 \*Whitman, Stanley Finch  
 \*Williams, Hatcher Crenshaw  
 Williams, Linwood Roger  
 Williams, Sam Charles  
 \*Williams, Thomas Richard, Jr.  
 †Williamson, James Clay  
 Wilson, Eugene Glass  
 \*Winterson, Alexander Frederick  
 †Winterson, Howard Martin  
 Witmer, Norman Davis  
 Wolf, Jerome Douglas  
 Woodcock, William Alfred  
 †Wooddy, Arthur Overton  
 †Worth, Thomas Clarkson, Jr.  
 †Wylie, Marvin Miller  
 Wynn, Carlton Terrell  
 Zavlaris, Peter
- Caldwell, N. J.  
 Kingston, N. Y.  
 Fayetteville, N. C.  
 Washington, Pa.  
 Durham, N. C.  
 Manoa, Upper Darby, Pa.  
 Taunton, Mass.  
 Glendale, L. I., N. Y.  
 Washington, D. C.  
 Concord, Mass.  
 Madison, Me.  
 Staten Island, N. Y.  
 State College, Pa.  
 Montclair, N. J.  
 Moorestown, N. J.  
 Patchogue, N. Y.  
 East Aurora, N. Y.  
 Madisonville, Ky.  
 Orange, N. J.  
 Philadelphia, Pa.  
 Pasadena, Calif.  
 San Diego, Calif.  
 Hot Springs, Ark.  
 Baltimore, Md.  
 St. Petersburg, Fla.  
 Newport, Ky.  
 Durham, N. C.  
 Philadelphia, Pa.  
 Ocean City, Md.  
 Scarsdale, N. Y.  
 Charlotte, N. C.  
 Galax, Va.  
 London, England  
 Charlotte, N. C.  
 Belleville, N. J.  
 Caldwell, N. J.  
 High Point, N. C.  
 New York, N. Y.  
 Westmont, N. J.  
 Durham, N. C.  
 Charlotte, N. C.  
 Miami Beach, Fla.  
 Oxford, N. C.  
 Bowie, Md.  
 Easley, S. C.  
 Hickory, N. C.  
 Gastonia, N. C.  
 Winston-Salem, N. C.  
 Hempstead, L. I., N. Y.  
 Oradell, N. J.  
 Hanover, Pa.  
 Kirkwood, Mo.  
 Hot Springs, Ark.  
 Baltimore, Md.  
 Durham, N. C.  
 Princeton, Ky.  
 Birmingham, Ala.  
 Indiana, Pa.

† Requirements for graduation completed in Summer School, 1939.

## SPECIAL STUDENTS

Ager, John Curtis	Birmingham, Ala.
Butler, Jack Floyd	Canandaigua, N. Y.
Dalton, Raymond A.	Durham, N. C.
Herring, Benjamin Marshal	Greenville, N. C.
Klavan, Morris Solomon	Washington, D. C.
Parker, Richard Joseph, Jr.	El Paso, Texas
Persons, Walter Scott	Durham, N. C.
Stephenson, Arthur L. G.	Aulander, N. C.
Taylor, Ralph Gordon	Durham, N. C.
Wetmore, Thomas Hugh	Woodlief, N. C.
Whitehead, Burgess Urquhart	Lewiston, N. C.
Williams, Bailey Needham	Shiloh, N. C.

## THE WOMAN'S COLLEGE

## FRESHMAN CLASS

Addicks, Margaret Frances	Westfield, N. J.
Albright, Doris Anne	Westfield, N. J.
Ambrose, Marilyn	Westfield, N. J.
Anderson, Mary Jane	Oak Park, Ill.
Andrews, Mary Van Cleve	Rocky River, O.
Armstrong, Mary Elizabeth	Philadelphia, Pa.
Baca, Antoinette	Earlington, Ky.
Bachman, Gloria Roderick	Catasauqua, Pa.
Baldwin, Mary Ann	Durham, N. C.
Balloch, Anne	Traveler's Rest, S. C.
Barber, Marjorie	Charlotte, N. C.
Bassett, Carol Sebring	Rockford, Ill.
Bates, Susan Elizabeth	Lexington, Va.
Baylin, Muriel Rosalind	Baltimore, Md.
Beaver, Pauline Harris	Albemarle, N. C.
Bedsworth, Mary Catherine	Willis Wharf, Va.
Bendall, Amanda Lee	Valley Stream, N. Y.
Bingman, Helen Amelia	Washington, D. C.
Bishop, Betty May	Chester, Conn.
Blair, Kitty Gordon	Hagerstown, Md.
Blake, Persis Weare	Bradenton, Fla.
Blend, Loraine	Chicago, Ill.
Blume, Shirley Beatrice	Ft. Lauderdale, Fla.
Bobb, Jane Emelie	Columbus, O.
Bobbitt, Claire Virginia	Charleston, W. Va.
Bock, Ann Marie	White Plains, N. Y.
Booe, Alice Lucinda	Asheville, N. C.
Booth, Gloria Rodamor	Glen Ridge, N. J.
Bowly, Susan Jane	Glen Ridge, N. J.
Bowne, Henrietta Elizabeth	Washington, D. C.
Bracken, Audrey Olive	Pittsburgh, Pa.
Brinson, Helen Slade	New Bern, N. C.
Broome, Eleanor Alice	Rockville, Md.
Brower, Blanna	Durham, N. C.
Brown, Sally Logan	Great Neck, N. Y.
Bulluck, Maude Southerland	Wilmington, N. C.
Bussell, Margaret Rose	Durham, N. C.
Callender, Gladys Catherine	Washington, D. C.
Cameron, Barbara Jean	Paoli, Pa.
Carpenter, Elizabeth	Durham, N. C.
Casey, Helen Roberta	Winston-Salem, N. C.
Cashman, Marcia	Chelsea, Mass.

- Chapman, Helen Elizabeth  
 Clark, Frances Eleanor  
 Cochran, Jane  
 Cole, Elizabeth Deane  
 Cole, Sarah Camille  
 Collier, Marjorie  
 Collins, Frances Paige  
 Collins, Mary Jane  
 Collins, Phyllis Constance  
 Cook, Adrienne  
 Cooper, Karleen Bettie  
 Craig, Kathryn Taylor  
 Crews, Elizabeth  
 Crowell, Emily Sue  
 Currier, Virginia  
 Curry, Jane Caroline  
 Curtis, Kathleen  
 Davis, Ann McCarroll  
 Dell, Mary  
 deMerci, Betty Ann  
 Deming, Virginia Mae  
 DeVries, Elizabeth Waters  
 Dilworth, Muriel Marie  
 Doane, Jean  
 Dodd, Caroline  
 Doehla, Jean Dorothy  
 Dumestre, Helen Mary  
 Duncan, Constance Lyons  
 Dunkelberger, Kathryn Mills  
 Eagan, Julia Elizabeth  
 East, Mary Katherine  
 Ecker, Elizabeth  
 Eder, Marianne Allen  
 Elberfeld, Helen Frances  
 Eller, Christine Ann  
 Ellithorp, Barbara Anne  
 Evans, Emma Lee  
 Faw, Corinne  
 Fawcett, Elizabeth Lyons  
 Fisher, Grace Helen  
 Flentye, Barbara Millikin  
 Francis, Margaret Ellen  
 Fraser, Ruth Allison  
 Frehse, Beth Margaret  
 Fulton, Ruth Marion  
 Furchgott, Jane  
 Gesling, Joan  
 Goldsmith, Mary Frances  
 Goodbody, Virginia Ruth  
 Green, Jean Loretta  
 Green, Marilynn  
 Greenberg, Jean Adrian  
 Griffin, Fay  
 Griffiths, Barbara Ann  
 Grose, Ida Mary  
 Gunlefinger, Barbara  
 Hager, Marion Elizabeth  
 Haley, Leonor Davison  
 Harding, Alice Marie  
 Harper, Charity Anne  
 Coral Gables, Fla.  
 Washington, D. C.  
 Cleveland Heights, O.  
 Tulsa, Okla.  
 Winston-Salem, N. C.  
 Ormond Beach, Fla.  
 Jacksonville, Fla.  
 Coral Gables, Fla.  
 Shaker Heights, O.  
 New York, N. Y.  
 Laurel, Miss.  
 Asheville, N. C.  
 Winston-Salem, N. C.  
 Lincoln, N. C.  
 West Stewartstown, N. H.  
 Miami, Fla.  
 Jacksonville, Fla.  
 Louisville, Ky.  
 Moultrie, Ga.  
 Tuxedo Park, N. Y.  
 Oyster Bay, N. Y.  
 Sandy Spring, Md.  
 Bloomfield, N. J.  
 Glen Ridge, N. J.  
 Miami, Fla.  
 Pittsburgh, Pa.  
 Avondale Estates, Ga.  
 Philadelphia, Pa.  
 Dixon, Ill.  
 Salisbury, N. C.  
 Salisbury, N. C.  
 Oakmont, Pa.  
 Forty Fort, Pa.  
 Pomeroy, O.  
 Ft. Lauderdale, Fla.  
 Canajoharie, N. Y.  
 Martinsburg, W. Va.  
 North Wilkesboro, N. C.  
 Mount Airy, N. C.  
 Morehouse, Mo.  
 Aurora, Ill.  
 Jackson, Ky.  
 Fort Bragg, N. C.  
 Ferndale, Mich.  
 Lakewood, O.  
 Florence, S. C.  
 Lancaster, O.  
 Newton, N. J.  
 New Rochelle, N. Y.  
 Grand Rapids, Mich.  
 Ridgewood, N. J.  
 New York, N. Y.  
 Dothan, Ala.  
 Great Neck, N. Y.  
 Pittsburgh, Pa.  
 Youngstown, O.  
 Ocean City, N. J.  
 Front Royal, Va.  
 Brockway, Pa.  
 Habana, Cuba

Harris, Mildred Louise	Durham, N. C.
Hayes, Patricia Paige	Atlanta, Ga.
Heath, Wilda	Upper Montclair, N. J.
Hendrie, Mary Virginia	Oak Park, Ill.
Henninger, Henrietta Flynn	Allentown, Pa.
Herrmann, Elizabeth	York, Pa.
Heyward, Virginia Hughes	Asheville, N. C.
Hicks, Jane Carol	Baltimore, Md.
Highsmith, Katherine Herring	Raleigh, N. C.
Holcomb, Martha Chambliss	Birmingham, Ala.
Hooper, Lois Cole	Westwood, N. J.
Hopper, Virginia Lee	Winnipeg, Canada
Hough, Reba Whiteman	Williamsport, Pa.
Hughes, Donna Lentz	Allentown, Pa.
Hughes, Jean Carol	East Stroudsburg, Pa.
Hutchison, Betty Jenkins	Charlotte, N. C.
Jackson, Helen	Alma, Mich.
Jarden, Barbara Elizabeth	Upper Darby, Pa.
Johnson, Carolyn Ann	Germantown, Md.
Johnson, Elizabeth Ann	Alexandria, Va.
Johnson, Frances Busch	Petersburg, Va.
Johnson, Frances Norman	Weldon, N. C.
Johnson, Rebekah Ernestine	Benson, N. C.
Jones, Barbara Ann	Warren, Mass.
Jones, Kathleen Mary	Stillwater, Minn.
Jordan, Janet	La Jolla, Calif.
Jossmann, Sally	Pontiac, Mich.
Joynes, Sallie Brewster	Durham, N. C.
Kaufmann, Augusta Katz	Pittsburgh, Pa.
Kerns, Nannie Lou	Durham, N. C.
Kiker, Lucy	Reidsville, N. C.
Knight, Jean Dixon	Baltimore, Md.
Kolb, Ruth Ellen	Worcester, Mass.
Kuhlmann, Anna Elizabeth	Englewood Cliffs, N. J.
Lake, Carol Georgette	Newark, N. J.
Lambert, Marcia	Hattiesburg, Miss.
Lednum, Ethel Anna	Sayville, L. I., N. Y.
Lee, Lillian Armfield	Roanoke Rapids, N. C.
Lentz, Mary Gene	Durham, N. C.
Leonard, Elinor Jane	Winona, Minn.
Lindsey, Anne Henderson	Chattanooga, Tenn.
Long, Audrey Nielsen	Durham, N. C.
Loynd, Virginia Lee	Greensburg, Pa.
Ludt, Sara Jane	Chevy Chase, Md.
McElroy, Mary Virginia	Latrobe, Pa.
McGinley, Dorothy	Merchantville, N. J.
McGranahan, Mabel Katherine	Durham, N. C.
McNally, Barbara	Sewickley, Pa.
MacNeill, Mary	Maxton, N. C.
McRae, Eleanor Andrews	Fayetteville, N. C.
Macalister, Mary	Wilmette, Ill.
Mackall, Mary Evelyn	Mackall, Md.
Magnuson, Helen Ruth	Stillwater, Minn.
Mahony, Marian Elizabeth	Reynolda, N. C.
Mann, Jean Carol	Washington, D. C.
Mann, Naomi Aiken	Durham, N. C.
Martin, Beulah Doris	Malverne, N. Y.
Massey, Wilmoth O'Neal	Ansted, W. Va.
Maturin, Margaret Lula	Morristown, N. J.
Merritt, Zillah Johnson	Gainesville, Ga.

Meyer, Mary Louise  
 Miller, Mary Alice  
 Mills, Catherine Charlotte  
 Miner, Helen  
 Mixson, Carolyn Joyce  
 Moore, Ann Curtis  
 Moray, Norma Helen  
 Morgan, Dorothy May  
 Morrill, Julia Jane  
 Morrison, Anne Wikoff  
 Mosler, Jacquelyn  
 Myers, Anna Jane  
 Nassau, Emily Wilson  
 Neaves, Rosamond  
 Norton, Margaret Anne  
 Nowlin, Ann Pendleton  
 Oldfield, Elizabeth  
 Patterson, Margaret  
 Peeler, Annie Laurie  
 Pipper, Joyce Celia  
 Pitts, Marion Coleman  
 Pleasant, Nellie Inez  
 Pohl, Marian Evelyn  
 Powe, Rosemary  
 Price, Eva Louise  
 Prizer, Elizabeth Gertrude  
 Purcell, Jean Henderson  
 Ramsey, Ruth Wearn  
 Rankin, Ellen Weedon  
 Raupagh, Catherine  
 Reichert, Mary Louise  
 Reycraft, Joan Marie  
 Richards, Martha Frances  
 Ridout, Bernice Conner  
 Roberts, Margaret Ann  
 Robinson, Alice Merritt  
 Roess, Ann Anderson  
 Rohrbach, Charlotte Elizabeth  
 Rooker, Gladys Virginia  
 Ross, Margaret Elaine  
 Royal, Dorothy Ruth  
 Rudisill, Anna Jane  
 Rutledge, Nina Frances  
 Rydeen, Beverly Ann  
 Sancken, Nell Riordan  
 Saturday, Gwendolyn  
 Schule, Alice Watkins  
 Schulein, Dorothy Ann  
 Seymour, Ruth  
 Sheaffer, Betty Grace  
 Sheaffer, Marian Woodward  
 Shepherd, Mary Margaret  
 Sherrill, Connor Marie  
 Shlimbaum, Ina Carol  
 Silva, Miriam  
 Snyder, Annabelle Cora  
 Sangler, Elisabeth Lee  
 Steel, Elizabeth Ann  
 Steffen, Helene Rietow  
 Stephens, Joanne Colliver  
 East Orange, N. J.  
 Hollidaysburg, Pa.  
 River Forest, Ill.  
 Wilksburg, Pa.  
 Beaumont, Texas  
 Louisville, Ky.  
 New York, N. Y.  
 Providence, R. I.  
 Detroit, Mich.  
 New Brunswick, N. J.  
 Palm Beach, Fla.  
 Toronto, O.  
 Paoli, Pa.  
 Elkin, N. C.  
 Philadelphia, Pa.  
 Elkhorn, W. Va.  
 River Forest, Ill.  
 Graceville, Fla.  
 Memphis, Tenn.  
 Moorestown, N. J.  
 Charlotte, N. C.  
 Leasburg, N. C.  
 St. Augustine, Fla.  
 Jacksonville, Fla.  
 Ashland, Ky.  
 Mauch Chunk, Pa.  
 Round Hill, Va.  
 Charlotte, N. C.  
 Concord, N. C.  
 Grosse Pointe, Mich.  
 Miami, Fla.  
 East Cleveland, O.  
 Columbus, Ga.  
 Birmingham, Ala.  
 Bramwell, W. Va.  
 Sayville, L. I., N. Y.  
 Jacksonville, Fla.  
 Corning, N. Y.  
 Norlina, N. C.  
 Newark, N. J.  
 Shelby, Mich.  
 Hagerstown, Md.  
 Durham, N. C.  
 Stillwater, Minn.  
 Augusta, Ga.  
 Durham, N. C.  
 Washington, D. C.  
 New York, N. Y.  
 Plainville, Conn.  
 Elizabethtown, Pa.  
 Camden, N. J.  
 Chattanooga, Tenn.  
 Charlotte, N. C.  
 Bay Shore, N. Y.  
 Ft. Thomas, Ky.  
 Slatington, Pa.  
 Bound Brook, N. J.  
 West Englewood, N. J.  
 Sheboygen, Wis.  
 Aurora, Ill.

Stewart, Hilda May	West Palm Beach, Fla.
Stowe, Margaret Osborne	Asheboro, N. C.
Strikol, Kathryn	Wilmington, Del.
Sturtevant, Jean Margaret	Erie, Pa.
Sweet, Joan Adele	Binghamton, N. Y.
Swett, Eleanor	Middlebury, Vt.
Swindell, Mary Moore	Durham, N. C.
Tarpley, Nancy Eleanor	Washington, D. C.
Taylor, Elizabeth McCaw	Winston-Salem, N. C.
Taylor, Jean Fentress	Horsey, Va.
Thomas, Helen	Winston-Salem, N. C.
Thomas, Mary Ellen	Raeford, N. C.
Thompson, Lucy Helen	Durham, N. C.
Thoreen, Helen Louise	Stillwater, Minn.
Tobias, Anne Joy	Atlanta, Ga.
Trumbauer, Marjorie Frances	Cranford, N. J.
Turner, Mary Hall	Miami, Fla.
Vandegriff, Sara Anne	Atlanta, Ga.
Van Kleeck, Caroyl Lee	Brooklyn, N. Y.
Varnes, Anna Barbara	Wilmington, Del.
Walls, Clara Margaret	Georgetown, Del.
Watkins, Kathleen Hamlin	Durham, N. C.
Webber, Marcia	Elyria, O.
Webster, Mary Stuart	Haddon Heights, N. J.
Webster, Sheena Mary	Westfield, N. J.
Wells, Jean Esther	Dormont, Pa.
Weston, Sara Elizabeth	Cleveland Heights, O.
Wheatley, Sarah Elizabeth	Chestertown, Md.
Whelchel, Evelyn Ruth	Gainesville, Ga.
Whisnant, Lola Spencer	Charlotte, N. C.
Williams, Joanne Coby	Kirkwood, Mo.
Wolfe, Ann Elizabeth	Orangeburg, S. C.
Wolfe, Josephine	Southport, N. C.
Wood, Elizabeth Whitney	Savannah, N. Y.
Woodhull, Jean Clarke	Bethlehem, Pa.
Woods, Doris	Durham, N. C.
Woods, Peggy	Coral Gables, Fla.
Woolley, Carolyn Jowitt	Maplewood, N. J.
Wrenn, Nancy Vestal	Southern Pines, N. C.
Wyatt, Norma Grace	Akron, O.
Yates, Elizabeth Ardelaine	Winston-Salem, N. C.
Young, Mary Elizabeth	Cuyahoga Falls, O.

## SOPHOMORE CLASS

Algranti, Rosalie	Durham, N. C.
Ashley, Jane	Ellenton, S. C.
Bachmann, Susan Jane	Wheeling, W. Va.
Baldwin, Anna Kate	Sussex, N. J.
Ballard, Jane Elizabeth	East Orange, N. J.
Bandy, Evelyn Boyer	Old Greenwich, Conn.
Baskin, Alma Dean	Brooklyn, N. Y.
Bates, Virginia	Philadelphia, Pa.
Bender, Sarah Joan	Akron, O.
Benson, Frances Louisa	Elkin, N. C.
Bergen, Mildred Marie	Wilmington, Del.
Bernard, Alice Marilyn	Muncie, Ind.
Binder, Margaret	Leonia, N. J.
Bishop, Dorothy Louise	Rutherford, N. J.
Booe, Sarah Anne	Asheville, N. C.



- Boze, Wilhelmina Connelly  
 Breithaupt, Edna Mary  
 Breth, Eleanor  
 Brown, Josephine Camilla  
 Bruce, Frances  
 Bruzgo, Florence Elizabeth  
 Cantor, Deborah  
 Capehart, Elizabeth Hewlett  
 Carver, Nancy  
 Chandler, Delnora Lucille  
 Chesson, Mary Jane  
 Chivers, Frances Elizabeth  
 Clark, Elizabeth Virginia  
 Clarke, Genedick Maxwell  
 Clarke, Marcia Elizabeth  
 Clusman, Mildred Virginia  
 Collins, Genevieve  
 Colyer, Mary Ross  
 Coma, Marie Antoinette  
 Connor, Virginia Anne  
 Cook, Janice Allyn  
 Cosler, Barbara  
 Cowles, Mary Elizabeth  
 Craig, Frances Jane  
 Daniel, Janie Sue  
 Davenport, Martha Anne  
 Davis, Eloise  
 Davis, Marion Hilda  
 DeCormis, Betty Belle  
 Deshon, Mary Abbie  
 Donald, Margaret  
 Douglass, Zanna  
 Downer, Jean Alice  
 Dubs, Elizabeth Jean  
 DuMont, Dorothy DeEtte  
 Dworsky, Sara Lee  
 Edwards, Frances Eulabell  
 Edwards, Mary Jane  
 Edwards, Muriel Isabel  
 Elliott, Jean  
 Elliott, Mary Virginia  
 Emerson, Laura  
 Ermilio, Gloria Josephine  
 Falls, Isabelle  
 Faucette, Naomi Rachel  
 Ferris, Louise Mae  
 Fischer, Marjorie Jean  
 Fishel, Helen Elaine  
 Forsberg, Margaret  
 Foster, Elizabeth  
 Fox, Irene Carolyn  
 Fuquay, Margaret Louise  
 Gaither, Katherine Elizabeth  
 Gaston, Nelle Cosby  
 Gehres, Barbara Ann  
 Gerlach, Mildred Amelia  
 Gibbons, Helen Weaver  
 Gibson, Janet Walton  
 Gift, Janet Eleanor  
 Gober, Ann Elizabeth  
 Andrews, S. C.  
 Phoenicia, N. Y.  
 Chillicothe, O.  
 Hempstead, L. I., N. Y.  
 Durham, N. C.  
 Summit Hill, Pa.  
 Patchogue, N. Y.  
 Glen Head, L. I., N. Y.  
 Durham, N. C.  
 Alcoa, Tenn.  
 Durham, N. C.  
 Baldwin, L. I., N. Y.  
 Stamford, Conn.  
 Fort Bragg, N. C.  
 Jackson, Mich.  
 Baltimore, Md.  
 Columbus, O.  
 Maplewood, N. J.  
 Philadelphia, Pa.  
 Rutherford, N. J.  
 Trenton, N. J.  
 Cleveland, O.  
 Burlington, Vt.  
 Richmond, Va.  
 Columbia, S. C.  
 Durham, N. C.  
 Roanoke, Va.  
 Arlington, Va.  
 Accomac, Va.  
 Mobile, Ala.  
 Birmingham, Ala.  
 Chapel Hill, N. C.  
 Detroit, Mich.  
 Durham, N. C.  
 New York, N. Y.  
 Durham, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Valley Stream, N. Y.  
 Kenosha, Wis.  
 Lincolnton, N. C.  
 Danville, Va.  
 Newark, N. J.  
 Lorain, O.  
 Durham, N. C.  
 South Norwalk, Conn.  
 York, Pa.  
 York, Pa.  
 Emsworth, Pa.  
 Germantown, Tenn.  
 East Moriches, N. Y.  
 Durham, N. C.  
 Statesville, N. C.  
 Birmingham, Ala.  
 Washington, D. C.  
 Spring Lake, N. J.  
 Hamlet, N. C.  
 Oxford, Pa.  
 Altoona, Pa.  
 Marietta, Ga.

Good, Margaret Estelle  
 Grant, Jane Elizabeth  
 Green, Elizabeth Ann  
 Green, Patricia Wentworth  
 Greene, Marian Ward  
 Haile, Emma Virginia  
 Haislip, Anne Elizabeth  
 Hall, Elizabeth Ann  
 Hall, Jane Elizabeth  
 Hall, Jean Marie  
 Hall, Susan Anne  
 Hank, Virginia May  
 Hardin, Helen  
 Harmon, Emma Norris  
 Harpester, Katherine Rose  
 Hatheway, Elizabeth  
 Hayes, Willa Jean  
 Hirt, Mary Louise  
 Hodgson, Marjorie  
 Hones, Jean Carolyn  
 Hough, Elizabeth Whiteman  
 Huntley, Jane Gordon  
 Huston, Virginia Harmony  
 Jackson, Marguerite  
 Jacobsen, Pamela Nancy  
 Jarrell, Gertrude Mayer  
 Jervis, Barbara  
 Johnson, Martha Noel  
 Jolley, Josephine Ruth  
 Jones, Betty Ruth  
 Jones, Helen Winifred  
 Kamerer, Miriam Elizabeth  
 Kearney, Vera Jean  
 Keeler, Phoebe Forrestine  
 Kehr, Elizabeth Ann  
 Kent, Martha Jane  
 Kessel, Katherine  
 Kling, Catherine Belle  
 Knox, Suzanne  
 Kreider, Charlotte Eleanor  
 Lassen, Marion Powers  
 Lavinder, Beverly Routh  
 Lawrence, Lelia Annette  
 Leggett, Edna Earle  
 Lentz, Jacqueline  
 Leonard, Nancy Curtis  
 Lineberger, Nancy Jane  
 Livingston, Nonie Crum  
 Long, Elizabeth Faye  
 McCreary, Jeanne Evelyn  
 McCreedy, Doris Ann  
 McKee, Betty Jane  
 MacWilliams, Anne Louise  
 Marshall, Barbara Thorp  
 Marshall, Margaret Lee  
 Maxwell, Ellen Virginia  
 May, Jacqueline  
 Mellon, Beatrice  
 Mellor, Margaret Bancroft  
 Mitchell, Maurine  
 Shaker Heights, O.  
 Lakewood, O.  
 Harriman, Tenn.  
 Hillsboro, N. C.  
 Schenectady, N. Y.  
 Towson, Md.  
 Lumberport, W. Va.  
 Durham, N. C.  
 Shaker Heights, O.  
 Erie, Pa.  
 Montclair, N. J.  
 Paducah, Ky.  
 Evanston, Ill.  
 Scott's Hill, N. C.  
 Lakewood, O.  
 West Hartford, Conn.  
 Wilkesboro, N. C.  
 Lakewood, O.  
 Akron, O.  
 Durham, N. C.  
 Williamsport, Pa.  
 Biltmore Forest, N. C.  
 Bronxville, N. Y.  
 Highland Park, Ill.  
 Mahwah, N. J.  
 Little Rock, Ark.  
 Hendersonville, N. C.  
 Atlanta, Ga.  
 Mexico, Mo.  
 Washington, D. C.  
 Washington, D. C.  
 St. Petersburg, Fla.  
 Snow Hill, N. C.  
 West End, N. C.  
 Toledo, O.  
 Shaker Heights, O.  
 Charleston, W. Va.  
 Grindstone, Pa.  
 Detroit, Mich.  
 Elizabethtown, Pa.  
 Flourtown, Pa.  
 Lebanon, Va.  
 Durham, N. C.  
 Durham, N. C.  
 Ellerbe, N. C.  
 Salisbury, N. C.  
 Shelby, N. C.  
 Orangeburg, S. C.  
 Roxboro, N. C.  
 Valley Stream, N. Y.  
 Hawthorne, N. J.  
 Wilkinsburg, Pa.  
 Jacksonville, Fla.  
 Milford, Del.  
 Vinton, Va.  
 Comus, Md.  
 Tampa, Fla.  
 Durham, N. C.  
 West Chester, Pa.  
 Marfa, Texas

- Moeller, Pauline  
 Montgomery, Frances Kathryn  
 Neagle, Sara Jane  
 Neal, Betty Constance  
 Nebel, Wilma Ruth  
 Nichols, Shirley  
 Nobles, Jane Cornelia  
 Norwood, Marion Louise  
 O'Brien, Lucie Stokes  
 O'Rourke, Ann Elisabeth  
 Osborne, Sally Roberts  
 Page, Marshall  
 Parker, Julia Lurline  
 Partenfelder, Betty Rose  
 Passmore, Virginia Christine  
 Paynter, Sybilla Jane  
 Peach, Elizabeth Wellford  
 Peluso, Mary Elsie  
 Perkins, Hallee  
 Pessar, Dorothy Ethel  
 Plansoen, Wilma  
 Plyler, Helen Davidson  
 Powell, Eleanor Sue  
 Powers, Margaret  
 Quinn, Margaret Howard  
 Ramsey, Catherine Elizabeth  
 Rarig, Barbara Jane  
 Read, Patricia Wickliffe  
 Rich, Elizabeth Anne  
 Rick, Florence Isabel  
 Rogers, Russell Anne  
 Rowe, Dorothy Elizabeth  
 Ruckel, Ramonde  
 Rule, Mary Lily  
 Salzman, Doris Elizabeth  
 Schmidt, Audrey Deane  
 Schureman, Alice Elizabeth  
 Seafield, Marilyn Lenore  
 Searight, Louise Boswell  
 Selden, Norma  
 Seymour, Virginia Mendolene  
 Shaw, Beth Mae  
 Small, Carolyn Lee  
 Smith, Betty Jane  
 Smith, Frances Bivens  
 Smith, Linette Agnella  
 Smith, Margaret Shirley  
 Smith, Mary Elizabeth  
 Smither, Emily Marshall  
 Steininger, Virginia Ann  
 Stivers, Dorothy Jean  
 Stoodly, Rosemary  
 Stoothoff, Marjorie  
 Strone, Faye Elizabeth  
 Stroupe, Doris Evelyn  
 Stryker, Elizabeth Lucy  
 Swearingen, Jane Louise  
 Thacker, Page Virginia  
 Tinsley, Margaret Emma  
 Towe, Sara Crawford  
 St. Petersburg, Fla.  
 Stratford, Conn.  
 Durham, N. C.  
 Raleigh, N. C.  
 Jacksonville, Fla.  
 Long Branch, N. J.  
 Pensacola, Fla.  
 Durham, N. C.  
 Durham, N. C.  
 Dundalk, Md.  
 Jacksonville, Fla.  
 Aberdeen, N. C.  
 Rockingham, N. C.  
 Canton, O.  
 Nottingham, Pa.  
 Salisbury, Md.  
 Portsmouth, Va.  
 Deal, N. J.  
 Binghamton, N. Y.  
 New York, N. Y.  
 Belleville, N. J.  
 Greensboro, N. C.  
 High Point, N. C.  
 Wake Forest, N. C.  
 Allentown, Pa.  
 Tulsa, Okla.  
 Minneapolis, Minn.  
 Miami Beach, Fla.  
 Stamford, Conn.  
 Pittsburgh, Pa.  
 Richmond, Va.  
 Newark, N. J.  
 Valpariso, Fla.  
 Goshen, Ky.  
 Cleveland Heights, O.  
 Mountain Lakes, N. J.  
 New Brunswick, N. J.  
 Ironton, Minn.  
 Auburn, Ala.  
 Miami, Fla.  
 Coral Gables, Fla.  
 Miami, Fla.  
 Elizabeth City, N. C.  
 Avon Lake, Ohio  
 Farmville, N. C.  
 South River, N. J.  
 Birmingham, Mich.  
 Woodbridge, N. J.  
 Winston-Salem, N. C.  
 Wyomissing, Pa.  
 Maplewood, N. J.  
 Fall River, Mass.  
 East Williston, L. I., N. Y.  
 Perth Amboy, N. J.  
 High Point, N. C.  
 Shaker Heights, O.  
 Chicago, Ill.  
 Disputanta, Va.  
 Miami, Fla.  
 Roanoke Rapids, N. C.

Tucker, Elizabeth Duke  
 Tuscano, Mary Elizabeth  
 Upchurch, Edith Katrine  
 Upp, Marilyn Betty  
 van Deirse, Hilda Fay  
 Van Middlesworth, Mary  
 Van Orman, Mary Phyllis  
 Van Vynckt, Bertha Mae  
 Vaughan, Emily Jeffress  
 Wannamaker, Anne Scovill  
 Warner, Eleanor Taylor  
 Warren, Shirley Evelyn  
 Waters, Sara Jane  
 Watson, Virginia Feters  
 Weaver, Esther Charlotte  
 Webb, Lucille Tawes  
 Webster, Rosamond  
 Welch, Grace Woodward  
 West, Mary Loraine  
 Whitaker, Mildred Lane  
 Whitney, Mary Louise  
 Williams, Barbara Jeanne  
 Williams, Carol Virginia  
 Williams, Gladys Walter  
 Wills, Virginia Waln  
 Wilson, Betsy Jennings  
 Wilson, Dorothy Elizabeth  
 Wilson, Patricia Downs  
 Wooster, Irma Jean

Little Rock, Ark.  
 Honesdale, Pa.  
 Durham, N. C.  
 River Forest, Ill.  
 Orlando, Fla.  
 Middlebush, N. J.  
 Rutherford, N. J.  
 University, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Berwyn, Pa.  
 Port Washington, N. Y.  
 Johnstown, Pa.  
 Birmingham, Mich.  
 Rye, N. Y.  
 Salisbury, Md.  
 Mason City, Iowa  
 Valley Stream, N. Y.  
 Fairmont, W. Va.  
 Durham, N. C.  
 Washington, D. C.  
 Larchmont, N. Y.  
 Waterbury, Conn.  
 Washington, D. C.  
 Mount Holly, N. J.  
 Winnetka, Ill.  
 Morristown, N. J.  
 Lansdowne, Pa.  
 Sterling, Ill.

## JUNIOR CLASS

Abernethy, Mary Lura  
 Adams, Mary Jane  
 Alexander, Dorothy Ruth  
 Alexander, Katherine Latham  
 Allen, Harriet Estelle  
 Angier, Harriet Duke  
 Aylward, Dorothy Adelaide  
 Badgley, Audrey  
 Baer, Marion Eleanor  
 Bailey, Flora Inez  
 Bailey, Jean Elizabeth  
 Bailey, Josephine  
 Baker, Babbette  
 Ballard, Margaret Elizabeth  
 Barnes, Margaret Elizabeth  
 Barrett, Sue  
 Becker, Dora Elizabeth  
 Bennett, Cynthia  
 Binder, Kathryn Louise  
 Blackburn, Jane  
 Blessman, Dorothy Irene  
 Brandt, Claire  
 Braynard, Margaret Isabel  
 Brent, Helen  
 Brice, Margaret Rilza  
 Buckle, Martha Louise  
 Buschow, Mary Ellen  
 Campbell, Virginia Alice C.

Newton, N. C.  
 Richmond, Va.  
 Atlanta, Ga.  
 Glendale, Calif.  
 Asheville, N. C.  
 Durham, N. C.  
 Daytona Beach, Fla.  
 Brooklyn, N. Y.  
 Bedford Hills, N. Y.  
 Pembroke, N. C.  
 Raleigh, N. C.  
 Thomasville, Ga.  
 Toledo, Ohio  
 Willis Wharf, Va.  
 Philadelphia, Pa.  
 New Orleans, La.  
 Washington, D. C.  
 Richmond, Va.  
 Leonia, N. J.  
 West Falls Church, Va.  
 Akron, O.  
 Norfolk, Va.  
 Glen Cove, N. Y.  
 Kilmarnock, Va.  
 Vidalia, Ga.  
 Binghamton, N. Y.  
 Mena, Ark.  
 Habana, Cuba

Cann, Joy  
 Chase, Sarah  
 Clinkscales, Mary Celeste  
 Coburn, Helen Kerr  
 Cole, Miriam Louise  
 Conger, Dorothea Parsons  
 Conine, Ruth Ballard  
 Conners, Carol  
 Cordes, Shirley Louise  
 Cottingham, Mary Emily  
 Courtney, Margaret Duley  
 Courtney, Mary Ivey  
 Cozart, Anne Fleming  
 Craig, Nancy Jane  
 Crawford, Frances Lorraine  
 Crawford, Mary Elizabeth  
 Creider, Betty May  
 Crump, Charlotte Amelia  
 Curry, Elise Duncan  
 Dabney, Sarah Comer  
 Dalton, Maye Elizabeth  
 Davis, Marjorie Elizabeth  
 Dawe, Mary Louise  
 Dismer, Helen Cordelia  
 Dodrill, Mabel Geraldine  
 Donehoo, Lois Iean  
 Dow, Barbara Skinner  
 Driscoll, Helen Barbara  
 Duke, Mary Rebecca  
 Eisen, Edythe Lilian  
 Entrekin, Virginia  
 Epes, Marjorie Louise  
 Epperson, Joan Marie  
 Fagan, Barbara Campbell  
 Farmer, Helen Jean  
 Ferguson, Pollyanne  
 Fleet, Lillian  
 Flippen, Gertrude Lee  
 Flowers, Flewellyn  
 Forlines, Martha Lane  
 Freiler, Frances Eileen  
 Fuller, Ardith Dodd  
 Gantt, Kate Claywell  
 Gardiner, Fredrica Elizabeth  
 Gary, Ethel Almira  
 Gooch, Sara Bruce  
 Goodwin, Noma Lee  
 Gottlieb, Helen Myra  
 Grace, Ann  
 Gray, Priscilla  
 Green, Betty  
 Gregory, Anna Elizabeth  
 Griffin, Kathleen  
 Griffiths, Mary Elizabeth  
 Gross, Jean Talbot  
 Grunewald, Christine Dora  
 Gundlach, Eleonora Helena  
 Hagemann, Martha Jane  
 Hale, Mary Elizabeth  
 Hall, Alice Virginia  
 Greensboro, N. C.  
 Miami Beach, Fla.  
 Miami, Fla.  
 Fort Bragg, N. C.  
 Middletown, O.  
 Staunton, Va.  
 Stratford, Conn.  
 Shaker Heights, O.  
 Johnstown, Pa.  
 Douglas, Ga.  
 Winston-Salem, N. C.  
 Charlotte, N. C.  
 Durham, N. C.  
 Crafton, Pa.  
 Charlotte, N. C.  
 Mineral Point, Wis.  
 Scranton, Pa.  
 Wallingford, Conn.  
 Bethesda, Md.  
 Birmingham, Ala.  
 Durham, N. C.  
 Durham, N. C.  
 Richmond, Va.  
 Silver Spring, Md.  
 Webster Springs, W. Va.  
 St. Petersburg, Fla.  
 Birmingham, Ala.  
 Upper Montclair, N. J.  
 Hattiesburg, Miss.  
 Brooklyn, N. Y.  
 Belleville, N. J.  
 Kenmore, N. Y.  
 Durham, N. C.  
 New York, N. Y.  
 Bailey, N. C.  
 Loveland, Colo.  
 Winter Haven, Fla.  
 Richmond, Va.  
 Thomasville, Ga.  
 Durham, N. C.  
 Canton, Miss.  
 New York, N. Y.  
 Durham, N. C.  
 Jacksonville, Fla.  
 Westfield, Mass.  
 Henderson, N. C.  
 Durham, N. C.  
 Paulsboro, N. J.  
 Easton, Md.  
 Oyster Bay, N. Y.  
 Coral Gables, Fla.  
 Durham, N. C.  
 Atlanta, Ga.  
 Great Neck, N. Y.  
 Elkins, W. Va.  
 Washington, D. C.  
 Brooklyn, N. Y.  
 Chillicothe, O.  
 Baltimore, Md.  
 Erie, Pa.

Hanby, Mildred Scott	Wilmington, Del.
Harris, Kate Lee	Durham, N. C.
Harward, Lillian Mangum	Raleigh, N. C.
Haynes, Hazel Sterett	Durham, N. C.
Hersey, Ann Randolph	Cleveland, O.
Hewitt, Trilby Gray	Forest City, N. C.
Hibbs, Jessie Persinger	Richmond, Va.
Hill, Lillian Lee	Plainfield, N. J.
Houston, Jane Hunt	Warren, Pa.
Huckle, Elizabeth Gillis	Rock Hill, S. C.
Hughes, Caroline Irene	Jacksonville, Fla.
Hull, Edyth Maud	Cleveland, O.
Jacobi, Wilma Jane	Washington, D. C.
Johnston, Bertha Emmalee	Jacksonville, Fla.
Kennedy, Virginia Elizabeth	Durham, N. C.
Kenner, Frances Ann	New Rochelle, N. Y.
Kerr, Genevieve	Kansas City, Mo.
King, Lucile Curtis	Grosse Pointe Farms, Mich.
Krummel, Marjorie Anne	Durham, N. C.
Kueffner, Rose	Durham, N. C.
Lambdin, Dorothy Ellen	St. Petersburg, Fla.
Lambdin, Jean Carback	St. Petersburg, Fla.
LaMont, Marjorie	Canton, O.
Lee, Elsie Lois	Durham, N. C.
Link, Henry Etta	Lexington, N. C.
Linton, Jeanne Phyllis	Philadelphia, Pa.
Lynch, Katherine Harless	Evanston, Ill.
Lyon, Estelle Felts	Durham, N. C.
McCannless, Sarah Napoleon	South Boston, Va.
McCann, Adriana	Hopewell, Va.
MacMillan, Grace Louise	Durham, N. C.
MacNutt, Jean Mary	Ridgefield Park, N. J.
Mack, Elizabeth Amanda	Durham, N. C.
Maden, Ruby Kathryn	Delaware City, Del.
Matthews, Doris Adelaide	Durham, N. C.
Mayhew, Adelaide	Miami, Fla.
Megerle, Jean Margie	Fort Thomas, Ky.
Mitchell, Cornelia	Irvine, Ky.
Morehead, Mildred Ada	Pelham Manor, N. Y.
Morrison, Beatrice Mary	Pittsburgh, Pa.
Mott, Glory Sims	Jacksonville, Fla.
Murray, Elizabeth Lee	Selbyville, Del.
Nabers, Dora Frances	Durham, N. C.
Omar, Nancy Jean	Bluefield, W. Va.
Osborne, Elizabeth Ann	Jacksonville, Fla.
Owen, Emily Hillyer	Anniston, Ala.
Owens, Jean Lusyl	Petersburg, Va.
Padmore, Phyllis	West Chester, Pa.
Petty, Hilda Muriel	Lynch, Ky.
Phillips, Martha Jane	Wheeling, W. Va.
Phillips, Mary Joanna	Wheeling, W. Va.
Porterfield, Bettilu	Canton, O.
Prox, Dorothy Cecile	Terre Haute, Ind.
Ramsay, Mary Lee	Durham, N. C.
Rateau, Carolyn Ann	Ridgewood, N. J.
Reeves, Anne Heron	Washington, D. C.
Rodenbough, Kathryn Louise	Easton, Pa.
Rogers, Rae Elizabeth	Washington, D. C.
Rorabaugh, Helen Mary	Philadelphia, Pa.
Rubin, Doris Anne	Danville, Va.



Saville, Dorothy  
 Sawyers, Mary Jean  
 Scarlett, Dora Page  
 Schofield, Victoria Jane  
 Schrup, Ellen  
 Seeley, Carolyn Ada  
 Sherman, Mary Irwin  
 Sherrill, Ellen Lewis  
 Shields, Janet Louise  
 Shivers, Mary Ann  
 Shyrock, Elizabeth Hall  
 Simpson, Margaret Lynch  
 Sink, Dorothy Estelle  
 Smith, Elizabeth Marie  
 Smith, Shirley Louise  
 Snipes, Elizabeth Blanks  
 Snyder, Eugenia Josephine  
 Sopp, Barbara Perine  
 Southgate, Eleanor Fuller  
 Southwick, Bertha Eunice  
 Spruill, Margaret  
 Starnes, Margaret Evelyn  
 Stiles, Caroline Brown  
 Stockdale, Ruth Mary  
 Stubbs, Sara Lily  
 Swaren, Dixie Anna Mary  
 Sweet, Virginia Lorraine  
 Taylor, Amelia Chilton  
 Thomas, Frances Cherry  
 Tritle, Doris Hotchkiss  
 Umstead, Carolyn Manning  
 Ustick, Jean Waldo  
 Van Hagan, Louise Humphrey  
 Wackerman, Betty  
 Wagner, Carol June  
 Wagner, Jane Christine  
 Wagner, Margaret Elizabeth  
 Wall, Martha Evelyn  
 Wallin, Geraldine Tinsley  
 Walter, Louise Chillson  
 Walters, Helen Julia  
 Ware, Betty Lee  
 Weidmann, Kathryn Olive  
 Welfare, Anne Bagby  
 Weston, Sylvia  
 Weyman, Jean Marie  
 Whyte, Mary Robertson  
 Widmer, Frances Elizabeth  
 Willis, Helen Elizabeth  
 Willman, Marian Elizabeth  
 Wire, Margaret Jane  
 Wischmeyer, Margaret  
 Wolcott, Dorothy Davies  
 Wray, Virginia Proffit  
 Wright, Marjorie Helen  
 Young, Martha Anne  
 Wilmington, Del.  
 Pemberton, W. Va.  
 Durham, N. C.  
 Akron, O.  
 Mt. Plymouth, Fla.  
 Durham, N. C.  
 Goldsboro, N. C.  
 Concord, N. C.  
 Montclair, N. J.  
 Woodbury, N. J.  
 Winchester, Va.  
 Winston-Salem, N. C.  
 Winston-Salem, N. C.  
 South River, N. J.  
 Arlington, Va.  
 Durham, N. C.  
 Patchogue, N. Y.  
 Red Bank, N. J.  
 Durham, N. C.  
 Towson, Md.  
 Lexington, N. C.  
 Morganton, N. C.  
 Washington, D. C.  
 Pittsburgh, Pa.  
 Hamlet, N. C.  
 Brookeville, Md.  
 Schenectady, N. Y.  
 Morristown, Tenn.  
 Durham, N. C.  
 Erie, Pa.  
 Durham, N. C.  
 Buffalo, N. Y.  
 Buffalo, N. Y.  
 Durham, N. C.  
 Belleville, Ill.  
 Baltimore, Md.  
 Flushing, L. I., N. Y.  
 Toledo, O.  
 Wilmington, Del.  
 Philadelphia, Pa.  
 Mount Holly, N. J.  
 Asheville, N. C.  
 Belleville, Ill.  
 Durham, N. C.  
 Hopewell, Va.  
 Middletown, O.  
 Pittsburgh, Pa.  
 Aulander, N. C.  
 Farmville, N. C.  
 Belleville, Ill.  
 Mount Holly, N. J.  
 Terre Haute, Ind.  
 Riverton, N. J.  
 Norton, Va.  
 Asheville, N. C.  
 Durham, N. C.

## SENIOR CLASS

Acer, Virginia  
 Akers, Nancy Anderson

Kenmore, N. Y.  
 Charlotte, N. C.

Alden, Priscilla  
 Andrews, Sarah McLaurin  
 Armstrong, Helen Hamilton  
 Arnett, Evelyn Grace  
 Asbury, Kathleen Mary  
 Auser, Ruth Dorothy  
 Averill, Mary Elizabeth  
 Babcock, Farrar Jeanne  
 Bail, Jane  
 Barnes, Julia Barbara  
 Benson, Mary Idelia  
 Bickell, Bernice Lane  
 Blount, Maryanne  
 Bolick, Mamie Evelyn  
 Borland, Frances  
 Bowen, Elizabeth Jane  
 Boyd, Annajane  
 Boyle, Mary Gene  
 Brewer, Rosanna Jane  
 Brown, Jean Louise  
 Brown, Nancy Gordon  
 Campbell, Virginia Rose  
 Carver, Elizabeth  
 Chambers, Wave Maxine  
 Clements, Lillie Duke  
 Coble, Mary Fern  
 Coburn, Geraldine  
 Cockefair, Harriet Benton  
 Colsh, Doris Hadley  
 Conrad, Audrey Elizabeth  
 Conrad, Elizabeth  
 Cooley, Erma Leone  
 Cooper, Margaret Juletta  
 Cox, Florence Steadman  
 Dameron, Isa Sills  
 Daugherty, Eloise  
 Davis, Alice Gwyn  
 Devendorf, Helen Carver  
 Dodge, Mary Stacy  
 Douglass, Betty Randle  
 Evans, Alona Elizabeth  
 Exley, Frances Annette  
 Eyerly, Suzanne  
 Gaines, Barbara Jeanne  
 Gambill, Helen Elizabeth  
 Gambke, Dolores Barbara  
 Gee, Claribel Nance  
 Gibson, Frances  
 Glass, Ann King  
 Glenn, Martha Anne  
 Glenn, Peggy Elizabeth  
 Goddard, Cornelia Margaret  
 Goddard, Frances Mae  
 Goree, Mary Louise  
 Gracely, Louise  
 Gulley, Janet  
 Gwyn, Anne Russell  
 Haas, Janet Elaine  
 Harper, Marie Norene  
 Harrington, Amy Riser  
 New York, N. Y.  
 Durham, N. C.  
 Durham, N. C.  
 Danville, Va.  
 Charlotte, N. C.  
 Mountain Lakes, N. J.  
 Raleigh, N. C.  
 Woodward, Okla.  
 Fort Myers, Fla.  
 Lillington, N. C.  
 Elkin, N. C.  
 Durham, N. C.  
 Pensacola, Fla.  
 Conover, N. C.  
 Durham, N. C.  
 Buffalo, N. Y.  
 Germantown, Pa.  
 Sumter, S. C.  
 Shaker Heights, O.  
 Charlotte, N. C.  
 Amesbury, Mass.  
 Harrisburg, Pa.  
 Bahama, N. C.  
 Okmulgee, Okla.  
 Durham, N. C.  
 Durham, N. C.  
 Raleigh, N. C.  
 Warrensburg, Mo.  
 Maplewood, N. J.  
 West Hempstead, N. Y.  
 Washington, D. C.  
 Frenchtown, N. J.  
 Columbia, S. C.  
 Mount Olive, N. C.  
 Goldsboro, N. C.  
 Cumberland, Md.  
 Shelby, N. C.  
 Asheville, N. C.  
 Chester, Va.  
 Stanton, Tenn.  
 Durham, N. C.  
 Savannah, Ga.  
 Hagerstown, Md.  
 Lakewood, O.  
 Chattanooga, Tenn.  
 Englewood, N. J.  
 Greenwood, S. C.  
 Concord, N. C.  
 Paris, Ky.  
 Chicago, Ill.  
 Manhasset, N. Y.  
 Stratford, Conn.  
 Upper Nyack, N. Y.  
 Chattanooga, Tenn.  
 Marion, O.  
 Little Rock, Ark.  
 Reidsville, N. C.  
 Toledo, O.  
 Habana, Cuba  
 Monroe, N. C.

- Hartman, Doris Katherine  
 Hedrick, Willa Frances  
 Henry, Barbara Ann  
 Hobgood, Eleanor Belvin  
 Hodges, Virginia Nelson  
 Hoover, Carol Faith  
 Hopper, Myrtle Eleanor  
 Hubbard, Thelma  
 Huntoon, Mary Ricks  
 Izlar, Camille Willingham  
 Johnson, Jeanette Sidney  
 Johnson, Marion Duke  
 Jones, Maggie Sarah  
 Joyner, Edna McDonald  
 Kelley, Maude Margaret  
 Keppel, Ruth Gwaltney  
 King, Ann Lamb  
 King, Dorothy Rae  
 Knight, Helen Louise  
 Kramer, Betty Ellen  
 Laird, Martha  
 Lassister, Mary Dearborn  
 Lavington, Adele Frances  
 Lee, Mary Nell  
 Lee, Yorke Houston  
 Livernore, Anne Louise  
 Long, Dorothy Daniel  
 Long, Winifred  
 Lunsford, Noni Jordan  
 Lutz, Marjorie Elizabeth  
 Lytzen, Geraldine  
 McCreery, Marjorie Graham  
 McFadyen, Betty Cannon  
 McKenzie, Eleanor  
 Mailler, Barbara  
 Mapes, Elizabeth Blake  
 Mason, Virginia Baird  
 May, Stella Josephine  
 Medley, Doris  
 Merkel, Jean  
 Mitchell, Florence Ballantyne  
 Montague, Margaret Emily  
 Mowry, Betty Jane  
 Murphy, Jeanne Dorothea  
 Nelson, Frances Mae  
 Neushul, Maxine  
 Newlin, Charlotte Case  
 Ondek, Olga Othelia  
 Paradies, Evelyn Gloria  
 Pardo, Leonor Elizabeth  
 Parrott, Leone Hines  
 Pentz, Helen Eloise  
 Perkins, Martha Shannon  
 Pierce, Abigail  
 Plyler, Grace  
 Porritt, Dorothy  
 Rankin, Minnie McCorkle  
 Raper, Nancy Louise  
 Raup, Peggy Anne  
 Rauschenberg, Ann Pope  
 Fort Monroe, Va.  
 Salisbury, N. C.  
 Atlanta, Ga.  
 Durham, N. C.  
 Charleston, W. Va.  
 Durham, N. C.  
 Purchase, N. Y.  
 Belmont, N. C.  
 Whitakers, N. C.  
 Winston-Salem, N. C.  
 Shreveport, La.  
 Durham, N. C.  
 Townsend, Va.  
 Manatee, Fla.  
 Westfield, N. J.  
 Richmond, Va.  
 Charleston, W. Va.  
 Marion, O.  
 Durham, N. C.  
 Great Neck, N. Y.  
 Jonesboro, Ark.  
 Jackson Heights, N. Y.  
 Brooklyn, N. Y.  
 Maryville, Tenn.  
 Monroe, N. C.  
 Woodbury, N. J.  
 Newton, N. C.  
 Catawba, N. C.  
 Durham, N. C.  
 Shelby, N. C.  
 Washington, D. C.  
 Pittsburgh, Pa.  
 Washington, D. C.  
 Gibson, N. C.  
 Jersey City, N. J.  
 Grand Rapids, Mich.  
 Durham, N. C.  
 Durham, N. C.  
 Bethesda, Md.  
 New York, N. Y.  
 Irvine, Ky.  
 Durham, N. C.  
 Largo, Fla.  
 Upper Darby, Pa.  
 Bay Ridge, N. Y.  
 Winnetka, Ill.  
 Daytona Beach, Fla.  
 Pittsburgh, Pa.  
 Atlanta, Ga.  
 Habana, Cuba  
 Kinston, N. C.  
 Winchester, Mass.  
 Louisville, Ky.  
 Oklahoma City, Okla.  
 Durham, N. C.  
 Birmingham, Mich.  
 Concord, N. C.  
 Lexington, N. C.  
 Richmond, Va.  
 Atlanta, Ga.

Ray, Prudence Ann  
 Rogers, Evelyn Still  
 Rohrer, Helen Louise  
 Ryan, Laurette Alice  
 Schiffer, Eileen Anna  
 Scott, Sara Elizabeth  
 Scudder, Harriet Ellen  
 Seawell, Anne Lee  
 Secrest, Lillian Asbury  
 Shackford, Margaret Jackson  
 Simmons, Jessie Steele  
 Slaughter, Anne Walker  
 Smith, Marjorie Frances  
 Smitheal, Burney  
 Sommers, Suzanne  
 Spence, Mary Virginia  
 Sprinkle, Betty Alliene  
 Sundholm, Alma Edwina  
 Sutton, Thressa Dale  
 Sykes, Anne  
 Thomas, Hope Arishia  
 Thorpson, Diana  
 Tilley, Estelle Miriam  
 Toppin, Bertha Emma  
 Tucker, Helen Anne  
 Van Sciver, Evelyn  
 Wallace, Jean Loretta  
 Ward, Margaret  
 Ware, Kathryn Bvrne  
 Warner, Polly Russell  
 Wertz, Doris Elise  
 West, Catherine  
 Whisnant, Helen  
 White, Mildred Shreve  
 Williams, Margaret Walker  
 Womble, Edith  
 Worsham, Margaret Louise  
 Yon, Betty  
 Young, Jessamine  
 Buffalo, N. Y.  
 Richmond, Va.  
 Hagerstown, Md.  
 Brooklyn, N. Y.  
 New York, N. Y.  
 Wellesley Hills, Mass.  
 Hyannis, Mass.  
 Winder, Ga.  
 Monroe, N. C.  
 Rock Hill, S. C.  
 Rockingham, N. C.  
 Elizabeth City, N. C.  
 Waquoit, Mass.  
 Dyersburg, Tenn.  
 Maplewood, N. J.  
 Raleigh, N. C.  
 Indiana, Pa.  
 Brooklyn, N. Y.  
 Penn's Grove, N. J.  
 Queens Village, N. Y.  
 Biglerville, Pa.  
 Reidsville, N. C.  
 Raleigh, N. C.  
 Atlantic City, N. J.  
 Wilmington, Del.  
 Camden, N. J.  
 Newark, N. J.  
 Whitestone, N. Y.  
 East Falls Church, Va.  
 Great Neck, N. Y.  
 Hagerstown, Md.  
 Salisbury, N. C.  
 Augusta, Ga.  
 East Orange, N. J.  
 Max Meadows, Va.  
 Winston-Salem, N. C.  
 Chattanooga, Tenn.  
 Atlanta, Ga.  
 Ashland, Ky.

## SPECIAL STUDENTS

Adams, Erma Lee  
 Barber, Marion Sherard  
 Barr, Eleanor Smith  
 Bridgers, Mrs. Furman  
 Chesson, Mary Beard  
 Cobb, Zula  
 Collins, Alice Marshall  
 Crowell, Alucia  
 Currence, Martha  
 Davison, Atala  
 Hicks, Lovie Augusta  
 James, Ruby Davis  
 Kirkland, Dorothy Faucette  
 Lethbridge, Mae DeVoe  
 Massenburg, Sue White  
 Murray, Louise  
 Parker, Mildred Frances  
 Pethick, Sylvia Faye  
 Pope, Janie Hester  
 Durham, N. C.  
 Vicksburg, Miss.  
 Pelham, Ga.  
 Durham, N. C.  
 Durham, N. C.  
 Windsor, N. C.  
 Durham, N. C.  
 Clearwater, Fla.  
 Asheville, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Roxboro, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Warrenton, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Durham, N. C.  
 Hillsboro, N. C.

Roberts, Frances Elizabeth	Durham, N. C.
Ruestow, Fides	Turkey
Shackford, Love Branner	Rock Hill, S. C.
Stallcup, Mary Jane	Durham, N. C.
Strayhorn, Louise	Durham, N. C.
Stringfield, Virginia	Durham, N. C.
Webb, Barsha Ruth	Durham, N. C.
Whitehead, Ruth	Durham, N. C.

## COLLEGE OF ENGINEERING

## FRESHMAN CLASS

Acer, Charles Donald	Charlotte, N. C.
Andrew, Charles William, Jr.	Greensboro, N. C.
Armour, John	Oak Park, Illinois
Baker, Maybin Steele, Jr.	Central Aquirre, Puerto Rico
Barden, Edward Kemp	Goldsboro, N. C.
Barrow, James Wilkinson	Blackstone, Va.
Birdsall, Claude Robert	Farmingdale, N. J.
Boutelle, Lindsay Maynard	Delmar, N. Y.
Boyd, Harry Morgan	Durham, N. C.
Brown, Robert Edward	Andrews, N. C.
Cleaver, Fred Robinson	Middletown, Del.
Creasman, Emory Huston	Seabrook, S. C.
DeMaria, Charles James	Westport, Conn.
Dodson, Charles Wesley	Harrisburg, Pa.
Dorton, Robert Franklin, Jr.	Charlotte, N. C.
Dougherty, Richard Erwin	Evanston, Ill.
Drury, Paul Oliver	Arlington, Va.
DuRant, Richard Stough	Southern Pines, N. C.
Durnell, Robert Scott	Hillsboro, O.
Edens, Carl Corprew, Jr.	Rowland, N. C.
†Eitner, William Wolfgang	Kew Gardens, N. Y.
†Ezelle, John Wofford	Gaffney, S. C.
Fenimore, Jack Gibb	Haddon Heights, N. J.
Gingher, Clair Harry, Jr.	Greensboro, N. C.
Grant, Henry Meador	Andrews, S. C.
Gulledge, Sidney Loy, Jr.	Albemarle, N. C.
Hambusch, David Ehrenhardt	Baltimore, Md.
Hendee, Frank Ward	Burlington, Vt.
Hill, Charles Walter	La Grange, Ill.
Hipp, Charles Rucker	Greensboro, N. C.
Hottel, John Robert	Trenton, N. J.
Keiser, Robert Karl	Butler, Pa.
Kiely, Thomas Procter	Westfield, N. J.
Kleinhenz, William Augustus	Baltimore, Md.
Laros, James Andrew, Jr.	Easton, Pa.
Lee, Thomas Carter	Roanoke, Va.
Lee, William Frank	Charlotte, N. C.
Lynch, Richard James	Bloomfield, N. J.
McGregor, William Hackney	Albany, N. Y.
McKinney, Boyd Erwin	Dayton, O.
McMaster, Spencer Rice, Jr.	Winnsboro, S. C.
Marshall, William Charles	New York, N. Y.
Marsteller, Clair Jay	Sharon, Pa.
Martin, Howard Edward	Big Moose, N. Y.
Miller, Thomas Dale	New Rochelle, N. Y.
Morgan, Ralph Pierpont, Jr.	Durham, N. C.

† Transferred to Trinity College, February, 1940.

Mumm, Reiner Sixt  
 †Myers, Donald  
 Olive, Billy Brown  
 Pierce, Lloyd Julian  
 ††Ricketts, John Blaine, Jr.  
 Rugo, Joseph Francis  
 Ryther, Eugene Milton  
 Schlerf, Donald Melvin  
 Sherertz, Paul Claiborne  
 Smith, Frank Watson  
 Sparrow, Richard Donald  
 Stephens, Charles Theodore, Jr.  
 Stephens, Thomas Dean  
 Stout, William White, Jr.  
 Tew, Gilbert Waddell  
 Topham, Keith Landes  
 Tyson, William Steen  
 Wagner, Richard Fuller  
 Wall, Donald Schnepfe  
 Walters, Whitford Frank  
 Weber, Charles Hubert  
 Wetmore, William Hall, Jr.

Norwalk, Conn.  
 Albany, N. Y.  
 Durham, N. C.  
 Ahoskie, N. C.  
 Yeadon, Pa.  
 Milton, Mass.  
 Auburn, N. Y.  
 Baltimore, Md.  
 Shanghai, China  
 Henderson, N. C.  
 New Bern, N. C.  
 Bel Air, Md.  
 Manhasset, N. Y.  
 Durham, N. C.  
 West Durham, N. C.  
 Durham, N. C.  
 Trenton, N. J.  
 Scranton, Pa.  
 Catonsville, Md.  
 Burgaw, N. C.  
 Danville, Va.  
 Dormont, Pittsburgh, Pa.

SOPHOMORE CLASS

\*Andrews, Herbert Gattis, Jr.  
 Bargeon, Joseph Robert  
 Bean, Robert Nelson  
 Beeson, Donald Richard  
 Bescoter, Dan Taylor  
 †Betty, Laban Tyson  
 \*Boehling, Herman August  
 Boutwell, Frederick Kent  
 Brandon, Daniel Morris  
 Burgess, James Garnett  
 Cochran, Robert Lawrence  
 Crane, Ernest George, Jr.  
 \*Cummins, Gordon Wilson  
 Darling, Lawrence Whedon  
 Denis, Charles Raymond  
 \*Donahoe, Donald David  
 Droge, Arthur John  
 \*Dunbar, Neal B., Jr.  
 Ervin, Fred Reid  
 Everett, Robert Rivers  
 Fisher, James Lee, Jr.  
 Fleming, Clifford Neal  
 Foscue, Edward Shipman  
 Galt, John Gillespie

Durham, N. C.  
 Mt. Clemens, Mich.  
 Arlington, Va.  
 Johnson City, Tenn.  
 Kane, Pa.  
 Asheville, N. C.  
 Richmond, Va.  
 Durham, N. C.  
 Charlotte, N. C.  
 Richmond, Va.  
 Rockmart, Ga.  
 Trenton, N. J.  
 Canonsburg, Pa.  
 Madison, Conn.  
 Needham, Mass.  
 Detroit, Mich.  
 Woodhaven, N. Y.  
 Chicago, Ill.  
 Durham, N. C.  
 Niantic, Conn.  
 Youngstown, O.  
 Washington, D. C.  
 Winnetka, Ill.  
 Glenmore, Chester County,  
 Pa.  
 Rocky Mount, N. C.  
 Guntersville Dam, Ala.  
 Charlotte, N. C.  
 Hillsboro, N. C.  
 Altoona, Pa.  
 Winston-Salem, N. C.  
 Branchville, N. J.  
 Philadelphia, Pa.

Goddard, John Ervin  
 \*Gongwer, James Cornell  
 Goode, Vernon Durham  
 \*Green, Frederick Edward  
 Griffith, William Richard  
 Hege, Douglas Warwick  
 \*Johnson, Joseph Edwin  
 Johnson, Shirley A.

† Transferred to Trinity College, February, 1940.

†† Transferred from Trinity College, February, 1940.

Asterisk indicates that the student does not have full class standing in hours or quality points.



Johnston, Ronald Alexander	Rochester, N. Y.
Keith, Arvid Lee, Jr.	Durham, N. C.
Klug, Stanley Henry	Oakdale, N. Y.
Luchans, Warren Felps	Brooklyn, N. Y.
†McNairy, Wyatt Donald	Erie, Pa.
*Macfarlane, Robert Peter	Grand Rapids, Mich.
MacLachlan, William Malcolm, Jr.	Detroit, Mich.
Manchester, Frederic Hoover	Asheville, N. C.
Martin, James Watkins	Durham, N. C.
*Mercer, John Franklin	Pontiac, Mich.
Moffett, Howard Rogers	Greensboro, N. C.
*Murphy, John James	Canterbury, Conn.
Myers, Richard Tennyson	Montclair, N. J.
*Mysko, William John	Irvington, N. J.
Napier, James Edward, Jr.	Durham, N. C.
Neu, Edward Alfred, Jr.	East Orange, N. J.
Olson, Thomas	Penns Grove, N. J.
Poister, Paul Edwin	Beaver Falls, Pa.
Porter, Winston Willis	East Orange, N. J.
*Rasmussen, George Welsh	Roanoke, Va.
Roper, Jack	Johnson City, Tenn.
Rose, Murray Fontaine	Durham, N. C.
Safford, Ted Russell	Clyde, N. C.
Sawyer, Jack Hodgins	Virginia Beach, Va.
*Scott, William Lee, Jr.	Lexington, N. C.
Shea, James Andrew	Great Neck, N. Y.
Smith, Jack Weller	South Weymouth, Mass.
Strickland, Wyatt Bailey	Durham, N. C.
Venable, Paul Carrington	Durham, N. C.
Waldron, John Wood	Upper Montclair, N. J.
Walker, Hamilton Torrey	West Collingswood, N. J.
Werneke, Francis Henry	Narrosburg N. Y.

#### JUNIOR CLASS

Asterisk indicates that the student does not have full class standing in hours or quality points.

Alpert, Arthur Malcolm	Chicopee Falls, Mass.
*Andrews, Ralph John, Jr.	New Haven, Conn.
Batten, John C., Jr.	Charlotte, N. C.
*Bradley, Charles Hunter, Jr.	Hagerstown, Md.
Creamer, Robert Hemphill	Atlantic City, N. J.
Drew, William Donald	Kent, O.
*Dunn, William Redfield, Jr.	Croton-on-Hudson, N. Y.
*Hanson, Charles Walter	Cleveland Heights, O.
*Harrington, Thomas Allen	Ft. Lauderdale, Fla.
†Hart, Errol Lee	East Orange, N. J.
Hastings, George Julian	Palisades Park, N. J.
Highsmith, James Lindsay	Durham, N. C.
Holley, Charles Henry	Ford City, Pa.
Hunter, Charles William, Jr.	Maplewood, N. J.
Hunter, William Allen	Tavares, Fla.
*Jones, James Latimer	Gastonia, N. C.
Kelcec, George	Ocean Grove, N. J.
Korstian, Robert John	Durham, N. C.
*Larson, Gilbert Arthur	Emporium, Pa.
Larsson, William N.	Staten Island, N. Y.
Laupé, Carl, Jr.	Springfield, Mass.
Lucas, Cecil Swain	Durham, N. C.
Munroe, Philip Reed	Braintree, Mass.
Myers, Dale Clifford	Harrisburg, Pa.
Neyhart, Fred Trainer	Milton, Pa.
Olson, Vernon Arthur	Wantagh, N. Y.

† Transferred to Trinity College, February, 1940.

Parker, Charles Robin	Mantanzas Province, Cuba
Patterson, Herbert George	Akron, O.
Pattinson, Hulme Holmes	Chatham, Ontario, Canada
Perinovich, Robert Emil	Brooklyn, N. Y.
Phillips, Hugo Reed	New Orleans, La.
Price, Robert Clarke	Ocean City, N. J.
Reedy, Joseph S.	Bloomsburg, Pa.
Robinson, Donald Lane	Buffalo, N. Y.
Schoonover, Carleton Meredith	Charlotte, N. C.
*Sheats, Harold Weldon, Jr.	Charlotte, N. C.
Sisk, Earl Hoke, Jr.	Gastonia, N. C.
Smith, Walter Gold	Durham, N. C.
*Sprague, Roger Allen	Swampscott, Mass.
Tuten, Bruce Ladson	Charlotte, N. C.
Vickers, Ronald	Durham, N. C.
Wilbur, Richard Snow	Durham, N. C.
Womble, Eric Eugene	Durham, N. C.

**SENIOR CLASS**

Asterisk indicates that the student does not have full class standing in hours or quality points.

Abbott, Ward Davis	Orchard Park, N. Y.
Barden, James Floyd, Jr.	Goldsboro, N. C.
Beck, Clarence Vickers, Jr.	Saint Louis, Mo.
Bromage, John Stuart	Cranford, New Jersey
Byrum, John Franklin	Great Falls, S. C.
Carter, Everitt Adelbert	Reading, Pa.
*Chapin, Reynold Sayre	Flushing, N. Y.
*Clous, David Arthur	St. Albans, N. Y.
Dorsey, George Allan	Washington, D. C.
*Eddy, James Henry, Jr.	Elizabeth, N. J.
Fyles, Cleveland Saunders	Bethel, Vt.
Gingland, Richard Parsons	Hackettstown, N. J.
†Gregson, Jack Rogers	Morristown, N. J.
Griswold, Augustus Wharton	West Haven, Conn.
*Groesbeck, William F.	Ilion, N. Y.
Himelright, Loring Kenneth	Winchester, Va.
Kellermann, George Harvey	South Pittsburgh, Tenn.
*King, Carl Fish	Benson, Vt.
McCalip, Curtis Edgar, Jr.	University Park, Md.
MacLauchlan, John Donald, Jr.	Brockway, Pa.
Mitchell, Phil, II	Rock Island, Ill.
*Molina, Alexander William	Camaguey, Cuba
Peppler, John Ray	Washington, D. C.
Pierce, John Harvey	Durham, N. C.
Robertson, James Victor	Athens, W. Va.
Russell, Donald Clark	Chicago, Ill.
Rutledge, John Clifton	Durham, N. C.
Schaidt, Leander, Jr.	Cumberland, Md.
Schmidt, Howard Oskar	New Canaan, Conn.
*Shirley, William Francis	Buffalo, N. Y.
Varga, George Francis	Phillipsburg, N. J.
Woollard, Donald Edward	Chicago, Ill.

**SPECIAL STUDENTS**

Aufhammer, Robert Deane	Thorndale, Pa.
Foreman, Robert Evans	Elizabeth City, N. C.
McGough, Robert Bennett	Towson, Md.
McKeown, Eugene D.	Leavittsburg, O.
Mitchell, Robert Edward	Rock Island, Ill.
Ragan, Olive	Durham, N. C.
Spangler, Robert Frank	Newort News, Va.
Thompson, Henry Samuel	Halifax, Va.

† Graduated in January, 1940.

## THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ACADEMIC YEAR, 1939-40

- Abramovitch, Benjamin  
B.S. (McGill University), Chemistry. Montreal, Quebec, Canada
- Ahlstrom, Carl Ferdinand, III  
A.B. (Williams College), History, Political Science. Norwalk, Conn.
- Ahlstrom, John Dillingham  
A.B. (Williams College), History, Political Science. Norwalk, Conn.
- Allen, Clark Lee  
A.B. (McKendree College), A.M. (Washington University), Economics. Aurora, Ill.
- Allen, Ruth Couch  
B.S., A.B. (Meredith College), A.M. (Duke University), English, German. Raleigh, N. C.
- Amore, Salvatore Thomas  
A.B. (Brooklyn College), Chemistry, Physics. Brooklyn, N. Y.
- Anderson, Marcia Lee  
A.B. (Bryn Mawr College), A.M. (Duke University), English. Durham, N. C.
- Asan, Haydar Mustafa  
B.S. (Istanbul Lise Yeni), Botany. Istanbul, Turkey
- Asher, Eva Mae  
B.S. (Boston University), English, Religion. Brookneal, Va.
- Ayres, Erle Bingham  
B.S., A.M. (Boston University), Chemistry, Physics. Wollaston, Mass.
- Bailey, James Eugene  
A.B. (Duke University), French, English. Fort Wayne, Ind.
- Ballenger, Stanley Thomas  
A.B., A.M. (University of North Carolina), Latin. Raleigh, N. C.
- Barnes, Jack Carlisle  
A.B. (Duke University), English. Greensboro, N. C.
- Barrett, William Robert, Jr.  
A.B. (The Citadel), German, English. Florence, S. C.
- Baum, Rhoda May  
A.B. (Greensboro College), A.M. (Duke University), Chemistry, Physics. Kitty Hawk, N. C.
- Baxt, Victor Joseph  
B.S. (Rhode Island State College), Chemistry. Providence, R. I.
- Baxter, Joseph Ray  
A.B. (Berea College), History, Political Science. Camp Dix, Ky.
- Beck, Lloyd Henry  
A.B., A.M. (Oberlin College), Psychology, Mathematics. Oberlin, O.
- Bell, Helen Foree  
B.S. (West Virginia University), English. Bluefield, W. Va.
- Bennett, John Boyce  
A.B. (Wofford College), B.D. (Duke University), Religion, Philosophy, Sociology. Brevard, N. C.
- Bickell, Ernest Adelbert, Jr.  
B.S. (University of Michigan), Zoology. Nutley, N. J.
- Bizzell, William Hardy  
B.S. (Millsaps College), Economics, Political Science. Jackson, Miss.
- Bond, Esther May  
B.S., M.S. (Florida State College for Women), Psychology. Sarasota, Fla.
- Boyer, Charles Chester  
B.S. (St. Bonaventure College), Zoology. Scottsville, N. Y.
- Brach, Earl Tilton  
A.B. (Duke University), Greek, Latin. Durham, N. C.
- Brandis, Roland Buford, Jr.  
A.B. (University of Richmond), A.M. (Duke University), Economics. Richmond, Va.
- Breslow, David Samuel  
B.S. (College of the City of New York), Chemistry. Ozone Park, N. Y.
- Brice, Ashbel Green  
A.B., A.M. (Columbia University), English. York, S. C.

- Bridgers, John Elbert, Jr.  
A.B. (Duke University), A.M. (Harvard University), English. Greensboro, N. C.
- Britz, Matthew Leopold  
A.B. (Duke University), Political Science. Winston-Salem, N. C.
- Brown, Catherine Ella  
A.B. (Colorado College), Economics. Las Animas, Colo.
- Brown, Mary Ellen  
A.B. (Goucher College), Philosophy, Psychology. Baltimore, Md.
- Brown, Norman Ralph  
A.B. (Baldwin-Wallace College), Political Science, Economics. North Olmsted, O.
- Brown, Walter Varian  
A.B., M.S. (Brown University), Botany. Lancaster, Mass.
- Buchanan, Mary Frances  
A.B. (Sweet Briar College), History. Durham, N. C.
- Buck, Walter Roger, III  
B.S. (University of Richmond), Chemistry, Physics. Ordinary, Va.
- Burhans, Allison Stilwell  
A.B. (Oberlin College), Chemistry, Physics. Lowville, N. Y.
- Burns, Wayne  
A.B. (Miami University), English. Georgetown, O.
- Burrows, Edward Flud  
A.B. (Washington and Lee University), History, Economics. Oswego, S. C.
- Cain, Herbert Lloyd  
A.B. (Southwestern), A.M. (Duke University), Greek, Latin. Asheville, N. C.
- Campbell, Philip Storer  
B.S. (Bowdoin College), English. Portland, Me.
- Canaday, Ernest Franklin  
A.B. (William Jewell College), A.M. (University of Missouri), Mathematics. Raleigh, N. C.
- Caro, Elizabeth Rowe  
B.S. (College of William and Mary), M.S. (Simmons College), Sociology, Psychology. Pensacola, Fla.
- Carper, Doris Viola  
B.S. (Farmville State Teachers College), Education, Psychology. Norfolk, Va.
- Carr, Thomas Deaderick  
B.S. (University of Florida), Physics, Mathematics. Umatilla, Fla.
- Caskey, James Edwards, Jr.  
B.S. (Furman University), Mathematics, Physics. Lancaster, S. C.
- Causey, Nelle Bevel  
B.S. (College of the Ozarks), A.M. (University of Arkansas), Zoology. Fayetteville, Ark.
- Civin, Paul  
A.B. (University of Buffalo), Mathematics, Physics. Buffalo, N. Y.
- Clark, Dorothy Hampson  
A.B. (Brown University), Psychology. Durham, N. C.
- Clarke, Sara Elizabeth  
A.B., A.M. (Duke University), French, Spanish. Washington, N. C.
- Cleaveland, Fred Neill  
A.B. (Duke University), Economics. Gladstone, N. J.
- Clegg, Mildred Isabel  
A.B. (Millsaps College), Religion, Philosophy. Brookhaven, Miss.
- Cleveland, Leslie Joseph  
A.B. (Carleton College), History, Political Science. International Falls, Minn.
- Cline, John  
A.B. (Duke University), English. Durham, N. C.
- \*Cogswell, Sumter Aldage  
B.S. (Duke University), Chemistry. Chattanooga, Tenn.
- Cohen, Samuel Abraham  
A.B., A.M. (University of Richmond), English. Richmond, Va.
- Coleman, Maybelle  
A.B. (Lander College), A.M. (Columbia University), Sociology, Economics. Greenwood, S. C.

\* B.S. to be conferred June, 1940.

- Colley, Frank Harris  
A.B., A.M. (Duke University), History. Washington, Ga.
- Colloms, Lester Hubert  
A.B. (Emory and Henry College), B.D. (Emory University), Religion. Cleveland, Tenn.
- Craig, Ruth Winifred  
A.B. (University of North Carolina), History. Durham, N. C.
- Crawford, Robert Gunn  
A.B. (Duke University), History, Political Science. West Point, Miss.
- Crumpacker, Bernice Helen  
A.B. (Duke University), Psychology, Sociology. Durham, N. C.
- Cuyler, W. Kenneth  
A.B. (University of Texas), A.M. (Western Reserve University), Physiology. Austin, Texas
- Dale, William Pratt, II  
A.B., A.M. (Duke University), History. Greensboro, Ala.
- Davis, Alice  
A.B. (Radcliffe College), M.S. (College of William and Mary), Sociology. Chapel Hill, N. C.
- Davis, William Curtis Carroll  
A.B. (Yale College), English. Baltimore, Md.
- Decker, John Peter  
B.S. (University of Idaho), Botany, Forestry. Moscow, Idaho
- Derr, Paul Franklin  
B.S., A.M. (Duke University), Chemistry, Physics. West Hazelton, Pa.
- DeTurk, William Ernest  
A.B., A.M. (University of Illinois), Zoology. Urbana, Ill.
- Dibeler, Vernon Hamilton  
B.S. (Duke University), Chemistry, Physics. Roselle Park, N. J.
- Dixon, William Robert  
A.B., A.M. (Syracuse University), Political Science, Economics. Syracuse, N. Y.
- Doty, Cornelia Allen  
A.B. (Stanford University), A.M. (Mills College), Education. Durham, N. C.
- Doty, Roy Anderson, Jr.  
A.B., A.M. (Duke University), Education. Durham, N. C.
- Douglass, Ann Elizabeth  
A.B. (Swarthmore College), Psychology, Philosophy. New London, Conn.
- Dowling, Arthur Joseph, Jr.  
A.B. (Duke University), English. Savannah, Ga.
- Downton, James Bertram  
A.B. (University of Buffalo), Greek, Latin. Buffalo, N. Y.
- Duke, Kenneth Lindsay  
A.B. (Brigham Young University), Zoology. Heber City, Utah
- Duncan, Harry Alvin, Jr.  
A.B. (Grinnell College), English, Philosophy. Waterloo, Iowa
- Durden, George Douglas  
B.S. (South Georgia Teachers College), Education. Hillsboro, N. C.
- Dyas, Harold Eugene  
B.S. (University of Wisconsin), Chemistry. Butte, Mont.
- Edelmann, Louise Lorraine  
A.B. (New York University), English, German. Mineola, N. Y.
- Eicher, Chester Franklin  
A.B., B.Sc. (Ohio State University), B.D. (Meadville Theological School), A.M. (University of Chicago), Education, Psychology. Durham, N. C.
- Elliott, Flavel Scott  
A.B. (Dartmouth College), A.M. (University of North Carolina), English. Durham, N. C.
- Elmer, Robert Watson  
A.B. (Amherst College), A.M. (Syracuse University), English. Springfield, Mass.
- Erickson, John Otto  
B.S. (University of Minnesota), Biochemistry, Chemistry. Virginia, Minn.
- Faires, Robert Edgerton  
B.S. (Ohio University), Physics, Mathematics. Chesterhill, O.

- Feagins, Carroll Spurgeon  
A.B. (Duke University), A.M. (University of Michigan), Philosophy, Psychology.  
Clearwater, Fla.
- Few, Kendrick Sheffield  
A.B. (Duke University), English.  
Durham, N. C.
- Fisher, James Washington  
B.S. (Western Carolina Teachers College), Education, Sociology.  
Cullowhee, N. C.
- Fleetwood, Barrow Tilson  
B.S. (Western Carolina Teachers College), History, Political Science.  
Mars Hill, N. C.
- Fleming, Dorothy Hight  
A.B. (Elmira College), English, French.  
Summit, N. J.
- Flemister, Launcelot Johnson, Jr.  
A.B., A.M. (Duke University), Zoology.  
Atlanta, Ga.
- Flora, Anne Putney  
A.B. (Farmville State Teachers College), A.M. (Duke University), Political Science.  
Farmville, Va.
- Flora, William Evans Sherlock  
A.B. (College of Wooster), A.M. (Duke University), Political Science.  
Canton, O.
- Foor, Audrey Alys  
B.S. (Lock Haven State Teachers College), Education.  
Altoona, Pa.
- Frey, Ellen Frances  
A.B. (Barnard College), English.  
Elberon, N. J.
- Fukuhara, Nobukazu  
(Yokohama Technical College), Chemistry.  
Tokyo, Japan
- Gaddy, Claude F.  
A.B. (Wake Forest College), A.M. (University of North Carolina), Education.  
Raleigh, N. C.
- Garner, William Nelson  
B.S. (Bethany College), Zoology.  
Bethany, W. Va.
- Gates, Floy Perkinson  
A.B. (Texas Christian University), A.M. (University of Chicago), A.M. (Vanderbilt University), English.  
Durant, Okla.
- Gerow, James Anthony  
B.S. (North Carolina State College), Education.  
Raleigh, N. C.
- Gilbert, Paul Wilner  
A.B., A.M. (University of Rochester), Mathematics, Philosophy.  
Avon, N. Y.
- Gilmore, Patricia Mary  
A.B. (Smith College), English.  
Brooklyn, N. Y.
- Goodman, Warren Herbert  
A.B. (Brooklyn College), History, Political Science.  
Brooklyn, N. Y.
- Gould, Robert Kent  
A.B., A.M. (Duke University), Chemistry, Physics.  
Hamberg, N. J.
- Greene, John Thomas  
A.B., B.D. (Duke University), Philosophy.  
Rougemont, N. C.
- Gresham, Blanche Edith Hill  
A.B. (Furman University), English.  
Ware Shoals, S. C.
- Hadley, Elbert Hamilton  
B.S., M.S. (University of Michigan), Chemistry.  
Hamburg, N. Y.
- Hall, Arthur Ryker  
A.B., A.M. (University of Oklahoma), History.  
Washington, D. C.
- Hall, Maurice Barker  
B.S., M.S. (Brigham Young University), Physics, Chemistry.  
Santaquin, Utah
- Hamilton, James David Tillman  
A.B., A.M. (University of Mississippi), History.  
Meridian, Miss.
- Hamilton, Thomas Henderson  
A.B. (Davidson College), B.D., Th.M. (Union Theological Seminary), Religion  
Roxboro, N. C.
- Hardcastle, Aaron Bascom  
A.B., A.M. (University of Richmond), Zoology.  
Durham, N. C.
- Hardendorff, Victor Hall  
A.B. (Amherst College), English.  
North Amherst, Mass.
- Hargreaves, Herbert Walter  
A.B. (University of Nevada), A.M. (Clark University), Economics.  
Reno, Nev.



- Havens, Ralph Murray  
A.B. (Baker University), M.B.A. (University of Kansas), Economics. Durham, N. C.
- Helm, Robert Meredith, Jr.  
A.B. (Wake Forest College), Philosophy, Psychology. Winston-Salem, N. C.
- Hennen, Mary Bernadette  
B.S. (University of Georgia), Chemistry. Dallas, Ga.
- Herndon, Nettie Southworth  
A.B., A.M. (West Virginia University), History. Durham, N. C.
- Heyward, Mary Anne  
A.B. (Duke University), English. Asheville, N. C.
- Hicks, Ann Pitts  
A.B. (Coker College), A.M. (Columbia University), Sociology. Raleigh, N. C.
- Hicks, William Norwood  
B.E. (North Carolina State College), A.B. (Duke University), A.M. (Oberlin College), M.S. (North Carolina State College), Sociology. Raleigh, N. C.
- Hobgood, Alton Arthur  
A.B. (Duke University), English, Education. Durham, N. C.
- Holder, Ray  
A.B., A.M. (University of Mississippi), Religion, History. Lucedale, Miss.
- Holder, Virginia Lee Smart  
A.B. (Randolph-Macon Woman's College), A.M. (Duke University), Latin, Greek. Portsmouth, Va.
- Hoopes, Luther Hartman  
A.B. (Catawba College), English. York, Pa.
- Hopkins, James Franklin  
A.B. (University of Mississippi), A.M. (University of Kentucky), History. Noxapater, Miss.
- Horton, Paul Burleigh  
A.B. (Kent State University), Sociology, Economics. Rootstown, O.
- Hosack, Robert Ewing  
A.B. (College of Wooster), A.M. (University of Chicago), Political Science, History. Durham, N. C.
- Hoyle, Daniel Scarborough  
B.S. (Appalachian State Teachers College), History. Whitakers, N. C.
- Hudson, Boyd Ellyson, Jr.  
A.B. (Duke University), Chemistry. Jeffs, Va.
- Hughes, Ann Miriam  
A.B. (Duke University), Physiology. Boston, Mass.
- Humphreys, Mary Emily  
A.B. (Western Maryland College), A.M. (Duke University), Botany. Berlin, Md.
- Hutchinson, Lois B.  
A.B. (University of Nevada), Psychology. Reno, Nev.
- Jarnagin, Milton Preston, Jr.  
A.B., A.M. (University of Georgia), Mathematics. Athens, Ga.
- Jemmings, Louis Girton  
A.B. (Franklin and Marshall College), Latin, Greek. Lancaster, Pa.
- Johnston, George Washington  
B.S., M.S. (Mississippi State College), Botany. Quitman, Miss.
- Johnston, Robert Ward  
A.B. (Davidson College), Education. Leesburg, Fla.
- Jones, Jameson Miller  
A.B. (Southwestern), B.D. (Louisville Presbyterian Theological Seminary), Religion, Philosophy. Corinth, Miss.
- Jones, John Sneed  
B.S. (George Peabody College for Teachers), A.M., B.D. (Vanderbilt University), Philosophy. Brentwood, Tenn.
- Jones, Ralph Gray  
A.B., A.M. (Louisiana State University), Political Science, Economics. Woodville, Miss.
- Keeffe, Daniel Joseph  
A.B. (Louisiana State University), English, German. Vicksburg, Miss.
- Kennedy, Barbara Mae  
A.B., M.S. (University of Minnesota), Physiology. Rochester, Minn.

- King, Emily Barton  
A.B. (Converse College), A.M. (Duke University), Spartanburg, S. C.  
French, Spanish.
- Kinney, John Rankin  
B.S. (University of Idaho), Mathematics. Suffolk, Va.
- Koch, Sigmund  
A.B. (New York University), A.M. (State University of Iowa), Psychology. New York, N. Y.
- Krause, James Barber  
A.B. (University of Alabama), Zoology, Philosophy. Williamsport, Pa.
- Leary, Thomas Francis  
B.S. (Appalachian State Teachers College), English. Northampton, Mass.
- Leath, James Milton  
A.B. (Austin College), A.M. (Southern Methodist University), Political Science. Brookhaven, Miss.
- Lee, Herbert Leonard  
A.B., A.M. (University of Tennessee), Mathematics. Knoxville, Tenn.
- Lenander, Harlan Edward  
A.B. (Southwestern College), Physics, Mathematics. Lindsborg, Kan.
- Lethbridge, Berry Biccomb, Jr.  
B.S. (Franklin and Marshall College), Economics. Hackensack, N. J.
- Lever, Oscar William  
A.B. (Wofford College), A.M. (University of South Carolina), Philosophy. Blythewood, S. C.
- Levy, Edward David  
A.B. (Harvard College), Biochemistry. Hartford, Conn.
- Lewis, Evelyn Sherrard  
B.S. (Simmons College), Economics. Stony Creek, Conn.
- Li, Tang-Mi  
B.S. (National Tsing Hua University), Chemistry. Shanghai, China
- Limouze, Arthur Sanford  
A.B. (College of Wooster), A.M. (Columbia University), English. New Gardens, N. Y.
- Linnemann, Calvin Cummins  
B.S. (University of Georgia), Education, Economics. Durham, N. C.
- Linschitz, Henry  
B.S. (College of the City of New York), Chemistry. New York, N. Y.
- Livingston, Robert Blair  
A.B. (Colorado College), Botany, Forestry. Colorado Springs, Colo.
- \*Long, Dorothy Daniel  
A.B. (Duke University), Education. Newton, N. C.
- \*\*Long, John William, Jr.  
A.B. (Dickinson College), A.M. (Duke University), History, Political Science, Economics. Williamsport, Pa.
- Luttrell, Everett Stanley  
B.S. (University of Richmond), A.M. (Duke University), Botany. Richmond, Va.
- Lyu, Kingsley Kyungsang  
A.B. (Chosen Christian College), B.S., A.M. (Syracuse University), Philosophy, Religion. Seoul, Korea
- McAdams, Laura Jean  
A.B. (Erskine College), A.M. (University of South Carolina), French, Spanish. Due West, S. C.
- McAfee, Janet Brokaw  
A.B. (Mount Holyoke College), A.M. (Duke University), Zoology. Summit, N. J.
- McCormick, Edward Theodore  
B.S. (University of Arizona), M.S. (University of California), Economics. Washington, D. C.
- McCurry, Johnsie Marie  
A.B. (Maryville College), English. Stocksville, N. C.
- McDermott, John Joseph  
B.S., A.M. (Duke University), Botany, Forestry, Biochemistry. Durham, N. C.
- McDougall, Kenneth Dougal  
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\* A.B. to be conferred June, 1940.

\*\* A.M. to be conferred June, 1940.

- McGaughran, Laurence Shirley  
A.B. (University of Louisville), Psychology, Education. Louisville, Ky.
- McGehee, William Overton, Jr.  
B.S. (University of Virginia), Psychology, Education. Kent, Va.
- Macrae, John Howard  
A.B. (King College), B.D. (Union Theological Seminary), Religion. Hopkinsville, Ky.
- Marcum, Jay Marshall  
A.B. (Western Kentucky State Teachers College), Economics, Political Science. Buechel, Ky.
- Marion, Beatrice Van Wie  
A.B. (University of California), Sociology. Durham, N. C.
- Martin, Abram Venable, Jr.  
A.B. (Presbyterian College), Mathematics. Clinton, S. C.
- Martin, Willard Edgar, Jr.  
A.B. (Boston University), A.M. (Harvard University), English. Somerville, Mass.
- Maryott, Arthur Allen  
A.B. (Duke University), Chemistry. Augusta, Ga.
- Massey, Calvin LeRoy  
B.S. (Colorado State College of Agriculture and Mechanic Arts), Forestry, Botany. Wheatridge, Colo.
- Meares, Jefferson Sullivan  
B.S. (University of South Carolina), M.S. (North Carolina State College), Physics. Raleigh, N. C.
- Melenek, Ina Ruth  
A.B. (American International College), Sociology, Psychology. Fairview, Mass.
- Miles, Ernest Percy, Jr.  
B.S. (Birmingham-Southern College), A.M. (Duke University), Mathematics, Physics. Birmingham, Ala.
- Miles, Frank Frodsham  
A.B. (University of Washington), Sociology. Durham, N. C.
- Mitchell, William Alexander  
B.S. (Clemson Agricultural College), Political Science. Clemson, S. C.
- Monroe, Roger Clifford  
A.B. (Bradley Polytechnic Institute), A.M. (University of Florida), Education, Psychology. Woodstock, Ill.
- Montgomery, John Fleshman  
A.B. (Hampden-Sydney College), A.M. (University of Southern California), Education, Psychology. Lewisburg, W. Va.
- Moore, Thomas Hayes  
B.S. (Roanoke College), Economics. Roanoke, Va.
- Morris, William Lind  
B.S. (Carnegie Institute of Technology), M.S. (University of Pittsburgh), Physics. Asheville, N. C.
- Morrison, Garrett Weir  
A.B. (Kansas State Teachers College), Psychology, Zoology, Education. Joplin, Mo.
- Mowshowitz, Israel  
A.B. (Yeshiva College), Psychology. Durham, N. C.
- Mumford, Carey Gardner  
A.B. (Wake Forest College), A.M. (Duke University), Mathematics. Raleigh, N. C.
- Munster, Ralf Friedrich William  
A.B. (Duke University), Political Science. Savannah, Ga.
- Murray, Agnes MacGregor  
A.B. (McGill University), English, History. Georgeville, Quebec, Canada
- Neel, Samuel Regester, Jr.  
A.B. (Emory and Henry College), Religion, Sociology, Philosophy. Cumberland, Md.
- Neelands, Charles Wesley  
A.B. (Queen's University), B.D. (Queen's Theological College), Religion, Philosophy. Chatsworth, Ontario, Canada
- Nichols, David Creel  
A.B. (Salem College), Education, Political Science. Clarksburg, W. Va.
- Ogden, John Patton  
A.B. (Princeton University), History, Political Science. New York, N. Y.
- Ostwalt, Jay Harold  
A.B. (Davidson College), Education, Psychology, Religion. Statesville, N. C.
- Page, Inez Harlee  
A.B. (Duke University), History. Durham, N. C.

Park, Robert DeForest A.B. (Oberlin College), Physics.	Lakewood, O.
Patterson, James Reid B.S. (Davidson College), Physics, Mathematics.	Durham, N. C.
Pedersen, Peder Malvin A.B. (Duke University), Chemistry.	Richmond, Va.
*Perry, Percival A.B. (Wake Forest College), A.M. (Rutgers University), History.	Wake Forest, N. C.
Pethick, Harry Hathaway A.B. (Wesleyan University), Economics.	Durham, N. C.
Pethick, Mary Grace A.B. (Duke University), Botany, Forestry.	Durham, N. C.
Petty, Charles Worth, Jr. A.B. (Asbury College), Education, Sociology.	Durham, N. C.
Peurifoy, Hugh Owens A.B. (The Citadel), English.	Walterboro, S. C.
Phillips, Beula Mayra A.B. (American International College), Zoology, Physics, Biochemistry.	Charlemont, Mass.
Pratt, Ellis Carl A.B. (Duke University), A.B. in L.S. (University of North Carolina), Education.	Durham, N. C.
Ramsev, Helen Joyce B.S., M.S. (Purdue University), Zoology, Anatomy.	West Lafayette, Ind.
Rand, Robert Collom A.B. (Duke University), Mathematics, Physics.	Park Ridge, Ill.
Randolph, Mary Archer A.B. (Goucher College), English, Education.	Richmond, Va.
Rapp, Marvin August A.B. (Colgate University), History, Economics.	Buffalo, N. Y.
Raymond, Ruth A.B. (University of Chattanooga), Botany.	Southern Pines, N. C.
Reed, Fredrick Venable A.B. (Hampden-Sydney College), Mathematics.	Hampden-Sydney, Va.
Rein, William Christopher A.B. (Western Maryland College), M.Ed. (Duke University), Education, Psychology, Mathematics.	Durham, N. C.
**Reynolds, Thomas Davies A.B. (Duke University), Mathematics.	Asheville, N. C.
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Richards, James Austin, Jr. A.B. (Oberlin College), Physics.	Oberlin, O.
Robbins, George Lindsay, Jr. A.B. (Duke University), Political Science.	Durham, N. C.
Roberg, Jane B.S. (University of Washington), Physics.	Bellingham, Wash.
Robinson, Benjamin Franklin, Jr. B.S. (King College), Education.	Bristol, Tenn.
Roney, William Hamilton A.B. (Occidental College), A.M. (University of Michigan), Sociology.	Dayton, O.
***Russell, Charles Daniel, Jr. B.S. (Niagara University), M.S. (California Institute of Technology), Chemistry, Physics.	Niagara Falls, N. Y.
Rutledge, Ivan Cate A.B. (Carson-Newman College), Political Science.	Cleveland, Tenn.
Ryerson, Clifford Marten B.S. (John B. Stetson University), Physics, Mathematics.	Binghamton, N. Y.
Saleeby, Helen A.B. (Duke University), English.	Dillon, S. C.

\* A.M. to be conferred June, 1940.

\*\* A.B. to be conferred June, 1940.

\*\*\* M.S. to be conferred June, 1940.

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- Schnopp, Jessie May  
B.S., A.M. (West Virginia University), Sociology. Greenville, N. C.
- Schultz, Harold  
A.B. (Columbia University), History. Memphis, Tenn.
- Schwarz, Normand George  
B.S. (University of Miami), Chemistry. Miami Beach, Fla.
- Selden, Elizabeth Kemp  
A.B. (Sweet Briar College), Psychology, Education. Richmond, Va.
- Shannon, Edgar Finley, Jr.  
A.B. (Washington and Lee University), English. Lexington, Va.
- Shelton, Sam White, Jr.  
B.S. (Emory and Henry College), A.M. (George Peabody College for Teachers), Mathematics, Physics. Emory, Va.
- Siegel, Paul Shafer  
A.B. (University of Richmond), Psychology, Education. Richmond, Va.
- Singer, Armand Edwards  
A.B. (Amherst College), A.M. (Duke University), French, Spanish. Brantville, Ontario, Canada
- Singletary, William Edward  
A.B. (Duke University), English. Winston-Salem, N. C.
- Sisk, Glenn Nolen  
A.B., A.M. (University of Alabama), History. Livingston, Ala.
- Skell, Philip  
B.S. (College of the City of New York), Chemistry, Physics. Bronx, N. Y.
- Skinner, Alfred Lister  
B.S. (Davidson College), Chemistry, Physics. Mt. Berry, Ga.
- Slaughter, Maxine Adrian  
B.S., M.S. (Oklahoma A. and M. College), Psychology, Education. Chickasha, Okla.
- Smith, Burke McGuire  
A.B., A.M. (Duke University), Psychology. Boone, N. C.
- Smith, Clarence McKittrick, Jr.  
A.B., B.Mus. (Newberry College), A.M. (Harvard University), History. Kinards, S. C.
- Snow, Annabel Kelsey  
A.B. (Bates College), English. Pine Point, Me.
- Stainbrook, Edward John  
A.B. (Allegheny College), Psychology, Education, Sociology. Meadville, Pa.
- Stallcup, Mary Jane  
B.S. (Duke University), A.B. in L.S. (Emory University), Zoology. St. Petersburg, Fla.
- Starling, James Holt  
A.B., A.M. (University of Alabama), Zoology. Troy, Ala.
- Steele, Alpheus Thornton  
A.B. (Municipal University of Wichita), Economics. Hutchinson, Kan.
- Stephens, Harmon Bross  
A.B. (Stanford University), Sociology. Nampa, Idaho
- Stewart, Paul Dekker  
A.B. (Hope College), Political Science. Washington College, Tenn.
- Stewart, Truman Joel  
A.B. (Earlham College), History, English. Durham, N. C.
- Stovall, Sidney Thomas  
A.B. (Duke University), Greek, Latin. Virgilina, Va.
- Strickland, Irma Surovy  
A.B., A.M. (Hunter College), Economics. Raleigh, N. C.
- Strickland, Winifred Lillie  
B.S. (Birmingham-Southern College), Biochemistry, Chemistry. Birmingham, Ala.

- Stroupe, Henry Smith  
B.S., A.M. (Wake Forest College), History. Alexis, N. C.
- Stuckey, James Morlan  
B.S. (Centenary College), A.M. (Duke University), Chemistry. Shreveport, La.
- Sturm, Albert Lee, Jr.  
A.B. (Hamden-Sydney College), A.M. (Duke University), Political Science. Appalachia, Va.
- \*Tate, Russell Sage, Jr.  
A.B. (University of Richmond), A.M. (Duke University), Economics. Richmond, Va.
- Teagarden, Lucetta Jane  
A.B. (Wilson College), English, Philosophy. Carmichaels, Pa.
- Thomas, David Boyd  
B.S., M.S. (North Carolina State College), Physics. Raleigh, N. C.
- Thomasson, Betty Marchant  
A.B. (Meredith College), English, History. Danville, Va.
- Toole, Eben Richard  
B.S. (New York State College of Forestry), A.M. (Duke University), Forestry. Lanham, Md.
- Townsend, Freda Helen Liverant  
A.B. (Duke University), English, Philosophy. York, Pa.
- Truss, Ethel Maurine  
A.B. (University of Puerto Rico), English. San Juan, Puerto Rico
- Turner, Philip Allison  
A.B. (Hiram College), French, Spanish. Hiram, O.
- Van Voorhis, Robert Henry  
A.B. (Duke University), Economics, Political Science. Rutherford, N. J.
- Vermillion, Gertrude  
A.B. (Greenville Woman's College), B.S. (George Peabody College), A.M. (Columbia University), Chemistry. Tallahassee, Fla.
- Vonk, Paul Kenneth  
A.B. (Calvin College), A.M. (University of Michigan), Philosophy, Psychology. Grand Rapids, Mich.
- Wade, Luther Irwin  
A.B. (Duke University), Mathematics, Philosophy. Elkin, N. C.
- Waite, Alexander  
A.B. (University of South Carolina), M.Ed. (Duke University), Education. Psychology. Winter Park, Fla.
- Waldron, Ellis Leigh  
A.B. (Ohio State University), A.M. (University of Wisconsin), Political Science, Economics, History. Columbus, O.
- Wallace, Lillian Parker  
A.B. (University of Denver), M.S. (North Carolina State College), History. Raleigh, N. C.
- Warren, Ida Leane  
A.B. (Meredith College), Mathematics. Spring Hope, N. C.
- Watts, Daniel Thomas  
A.B. (Elon College), Zoology. Elon College, N. C.
- Watts, HESSIE BRAWLEY  
A.B., A.M. (Duke University), English. Mooresville, N. C.
- Webb, John Maurice  
A.B. (Duke University), A.M. (Yale University), History. Durham, N. C.
- Webb, Thomas Norfleet  
A.B. (University of North Carolina), Botany. Hillsboro, N. C.
- Werbel, Burton  
A.B. (New York University), Chemistry, Physics. Newark, N. J.
- White, Mary Rebecca  
A.B. (Fairmont State Teachers College), A.M. (Duke University), Latin. Fairmont, W. Va.
- Whitehead, Talton Johnson  
A.B. (High Point College), Religion. Henderson, N. C.
- Whitman, William Tate  
A.B., A.M. (Duke University), Economics. Charleston, S. C.
- Williams, Edwin Lesslie, Jr.  
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\* A.M. to be conferred June, 1940.



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B.S. (University of Miami), Botany, Zoology. Miami, Fla.
- Wolf, Mary Hubbard  
A.B. (Mount Holyoke College), Zoology. Durham, N. C.
- Wollman, Seymour Horace  
B.S., M.S. (New York University), Physics. New York, N. Y.
- Wolverton, Barbara Ruth  
A.B. (West Virginia University), English. Richwood, W. Va.
- Wood, Frederic Marcus, Jr.  
A.B. (Western Reserve University), A.M. (Duke University), Latin, Greek. Painesville, O.
- Woodruff, Joseph Leroy  
A.B. (Tarkio College), A.M. (Duke University), Psychology. Des Moines, Iowa
- Wright, Ernest Baskin  
A.B. (University of Alabama), A.M. (University of Wisconsin), Political Science, Economics. University, Ala.
- Yarbrough, Mary Elizabeth  
A.B. (Meredith College), M.S. (North Carolina State College), Physiology, Chemistry. Raleigh, N. C.
- Yelanjian, Louis Justine  
A.B. (Birmingham-Southern College), B.D. (Union Theological Seminary), Religion. Birmingham, Ala.
- Young, Jerome Louis  
B.S. (University of Maryland), Zoology, Psychology. Washington, D. C.
- Yowell, Robert Burgess  
A.B. (Virginia Military Institute), Economics. Durham, N. C.

#### SUMMER OF 1939; FIRST TERM

- Abernathy, Robert  
B.S. (Murfreesboro State Teachers College), M.A. (George Peabody College), English. Murfreesboro, Tenn.
- Abramovitch, Benjamin  
B.S. (McGill University), Chemistry. Montreal, Quebec, Canada
- Ackerman, Hugo Sheridan  
A.B. (Wofford College), History. Orangeburg, S. C.
- Ahalt, Paul Edwin  
A.B. (Roanoke College), Education. Salem, Va.
- Aimar, Caroline Picault  
A.B. (College of Charleston), English. Charleston, S. C.
- Akin, Mrs. Letty Lee  
A.B. (Tusculum College), Education. Ducktown, Tenn.
- Akin, Robert Millard  
A.B. (University of Tennessee), Education. Ducktown, Tenn.
- Albright, Thelma  
A.B. (Greensboro College), A.M. (Duke University), English. Stokesdale, N. C.
- Alderfer, Marjorie Clemens  
B.R.E. (Hartford School of Religious Education), English. Upper Darby, Pa.
- Aldridge, Alfred Owen  
B.S. (Indiana University), M.A. (University of Georgia), English. Buffalo, N. Y.
- Alexander, Mary Frances  
A.B. (Erskine College), Education. Lake Wales, Fla.
- Allebrand, Margaret  
B.S. (University of Pittsburgh), Education. Pittsburgh, Pa.
- Allen, Woodrow  
A.B. (Union College) History. Somerset, Ky.
- Allgood, Catharine  
A.B. (Winthrop College), Education. Liberty, S. C.
- Anderson, Joseph Cecil  
A.B. (University of Georgia), English. Springvale, Ga.
- Anderson, Julia Lynn  
A.B. (Maryville College), History, English. Hixson, Tenn.

Anderson, Lucian Dumas A.B. (Winthrop College), English, History.	Seneca, S. C.
Anderson, Ruby Jane A.B. (Western Kentucky State Teachers College), History.	Caneyville, Ky.
Anderson, Mrs. St. Claire A.B. (Winthrop College), English.	Charleston, S. C.
Andrews, Mary Ruth A.B. (West Virginia University), Mathematics, Education.	Alderson, W. Va.
Angus, Melvin Ray B.S. (State Teachers College, Indiana, Pa.), Mathematics, Education.	Conemaugh, Pa.
Armstrong, Leo Henry B.S.E. (University of Florida), Education.	Bradenton, Fla.
Ashley, Raymond Ferris A.B. (University of Indiana), Education.	Bakersville, N. C.
Askey, William Anthony B.S. (State Teachers College, Indiana, Pa.), History, Education.	Clymer, Pa.
Baird, Sybil A.B. (Howard College), English.	Birmingham, Ala
Baker, Ira Lee B.A. (Wake Forest College), French.	China Grove, N. C.
Baker, Stewart Rolandus A.B. (Ursinus College), Mathematics.	York, Pa.
Ballard, Adelaide Burchett A.B. (Marshall College), Education.	Lake Worth, Fla.
Barber, Daniel Clyde, Jr. A.B. (The Citadel), Education.	Clio, S. C.
Barber, Veva Alberta B.S. in Ed. (Central Missouri State Teachers College), English.	Orrick, Mo.
Barbot, Mary Elizabeth A.B. (College of Charleston), English.	Charleston, S. C.
Barr, Coke L. B.S. (Florida Southern College), Education.	Jacksonville, Fla.
Barr, Leon Vincent B.S. (Lock Haven State Teachers College), Mathematics.	Westport, Pa.
Barr, Orville Asbury B.S. (Florida Southern College), Education.	Jacksonville, Fla.
Barrett, Arnold Lankford A.B. (University of Georgia), Economics.	Social Circle, Ga.
Baucom, Thomas Victor A.B., A.M. (Duke University), Education.	Oakland, Md.
Baugh, Harvey Francis, III B.A. (Texas Christian University), M.A. (University of Virginia), English.	Rogers, Texas
Baum, William B.S. (College of Charleston), Zoology.	Comerio, Puerto Rico
Baxter, Joseph Ray A.B. (Berea College), History.	Berea, Ky.
Bearden, Annice B.S. (Delta State Teachers College), Education.	Okolona, Miss.
Beason, Sarah Jewell A.B. (Furman University), History.	Greenville, S. C.
Beckham, Martha Glynn A.B. (Winthrop College), Education.	Heath Springs, S. C.
Beeker, Henry Judson B.S. (Appalachian State Teachers College), History.	Green Sea, S. C.
Beery, Lena Grace A.B. (Marshall College), B.S. (Morris Harvey College), Education.	Elkview, W. Va.
Belknap, Raymond L. A.B. (Upper Iowa University), Education.	Lovington, Va.
Berry, Christine Brooks B.S. (Mississippi State College for Women), Sociology.	Jackson, Miss.

- Berry, Joseph Nesbitt  
B.S. (Clemson College), Zoology. Union, S. C.
- Besanceney, Theodore R.  
B.S. (Mansfield State Teachers College), Sociology, Education. Mansfield, Pa.
- Best, Albert Hartwell, Jr.  
A.B. (Wofford College), Education, Economics. Durham, N. C.
- Binns, Elizabeth Feary  
A.B. (Florida Southern College), English. Winter Haven, Fla.
- Bird, Ralph Sidney  
B.S. (Morris Harvey College), Education. Athens, W. Va.
- Bishop, Rowland Herbert, Jr.  
B.S. in Ed., M.S. (University of South Carolina), Mathematics. Inman, S. C.
- Black, Caroline Banks  
A.B. (College of Charleston), History, English. Charleston, S. C.
- Black, Roland Joseph  
B.S. (Glassboro State Teachers College), Education. Pitman, N. J.
- Blackburn, E. Bernard  
A.B. (Florida Southern College), Education. Homestead, Fla.
- Blackburn, J. Hartley  
A.B. (Florida Southern College), Economics, Education. Anna Maria, Fla.
- Blackburn, Mrs. Patricia Jones  
A.B. (Florida Southern College), Education. Homestead, Fla.
- Blanchard, Mrs. Clara Louise  
A.B. (Florida Southern College), Religion, History. St. Petersburg, Fla.
- Bloom, Robert Louis  
B.S. in Education (Shippensburg State Teachers College), History, English. Tyrone, Pa.
- Boatwright, Eleanor Miot  
B.S. (Teachers College Columbia University), History. Augusta, Ga.
- Bogan, Florence  
B.A. (Mississippi State Teachers College), English. West Point, Miss.
- Boggs, Ruth  
A.B. (Erskine College), M.A. (University of Virginia), Education. Pendleton, S. C.
- Boland, Joseph Bethro  
A.B. (Marshall College), Zoology. Iaeger, W. Va.
- Bomar, Porter Halbert  
B.A. (Presbyterian College, S. C.), Education. Orangeburg, S. C.
- Bondurant, Agnes Meredith  
B.S. (Farmville State Teachers College), English. Rice, Va.
- Boney, Nancy Virginia  
A.B. (Winthrop College), English. Blythewood, S. C.
- Bonner, James Neel  
B.A. (Erskine College), M.A. (Columbia University), Education. Due West, S. C.
- Boone, William Riley Prichard  
B.A., B.S. (University of Texas), History. Marshall, Texas
- Bowles, Robert Clay  
A.B. (Central College, Mo.), M.A. (Southern Methodist University), History. Norborne, Mo.
- Bowman, Miss Bernice Claire  
A.B. (Union College), English. Miami, Fla.
- Boyer, Luther Karl  
A.B. (Susquehanna University), Education, Economics. Mt. Carmel, Pa.
- Boyles, Dorothy Clemence  
A.B. (Millsaps College), History. Jackson, Miss.
- Brandolini, Vincent  
B.S. (Washington College), Education, Economics. Chestertown, Md.
- Branham, Helen Elizabeth  
B.A. (Mississippi State College for Women), Education. Itta Bena, Miss.
- Brantley, Hilda  
A.B. (Huntingdon College), Education, English. Jacksonville, Fla.
- Brawley, Harry Morgan  
A.B., M.A. (West Virginia University), Education. Charleston, W. Va.

- Bridgers, John Elbert, Jr. Greensboro, N. C.  
A.B. (Duke University), M.A. (Harvard University), English.
- Bridy, Charles Louis Mt. Carmel, Pa.  
A.B. (Mount St. Mary College), History, Education.
- Brosius, Magdalene Hershey Atglen, Pa.  
B.S. (West Chester State Teachers College), Education.
- Brothers, Wilbur Leo Clay City, Ind.  
A.B. (Indiana State Teachers College), Education.
- Brown, George Erwin Siloan, Ga.  
A.B. (Piedmont College), Education, Sociology.
- Brown, Gilbert Elgar War, W. Va.  
B.A. (Wilmington College), Education.
- Brown, Margaret Louise Sumter, S. C.  
A.B. (Queens-Chicora College), Education, English.
- Brown, Mary Elizabeth Roanoke, Va.  
B.S. (William and Mary College), Mathematics.
- Brown, Ruth Westminster, S. C.  
A.B. (Lander College), Education, Mathematics.
- Browne, Margaret Augusta Chattanooga, Tenn.  
B.A. (Birmingham-Southern College), History.
- Bruce, William Thornton Greenville, S. C.  
B.A. (Furman University), Sociology, Education.
- Brunson, Ellie DuRant Sumter, S. C.  
A.B. (Presbyterian College), Education.
- Bryan, Colgan Hobson Trenton, S. C.  
B.S. (University of South Carolina), Physics.
- Bryant, Anne Hampton, Va.  
B.S. (East Tennessee State Teachers College), English.
- Bryant, Carlyle Rupert Greenville, S. C.  
B.A. (Furman University), Education, English.
- Buck, Ida Hermine Altoona, Pa.  
A.B. (Catawba College), History, Education.
- Burden, George Lumpkin Danielsville, Ga.  
A.B. (North Georgia College), Education.
- Burdette, Orral L. Beckley, W. Va.  
B.S. (New River State College), Education.
- Burdette, Dorothy Nell Peoria, Ill.  
B.S. (Northwestern University), Education.
- Burkhardt, William Emory Easton, Md.  
A.B. (Washington College), Education.
- Burks, Ray Otis, Jr. Stuttgart, Ark.  
B.A., M.A. (University of Arkansas), English.
- Burleson, Berney Johnson City, Tenn.  
B.S. (State Teachers College, Johnson City, Tenn.), English.
- Burns, David Francisco Havana, Fla.  
B.S.E. (University of Florida), Education.
- Burns, Grover Preston Culloden, W. Va.  
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B.S. in Ed. (Muskingum College), Education. Freeport, O.
- Seavers, Gilmore Brechbill  
B.S. in Ed. (Shippensburg State Teachers College), Education. Newville, Pa.
- Seay, Elizabeth Irene  
A.B. (University of Richmond), History. Richmond, Va.
- Seymour, Walter Andrew  
A.B. (St. Francis College), Education. Loretto, Pa.
- Shaw, Philip S.  
A.B. (Duke University), Education. St. Cloud, Fla.
- Sherman, Willie Hardie (Miss)  
A.B. (Mississippi State College for Women), Education. Merigold, Miss.
- Shields, Oliver Leon  
B.S. (Western Kentucky State Teachers College), Psychology. Coral Ridge, Ky.
- Shryock, Mary Katharine  
B.S. (California State Teachers College), Education. Wilmore, Pa.
- Shumpert, Ocell William  
A.B. (Mississippi College), Education. Amory, Miss.
- Simmons, Willard Russell  
A.B. (University of Richmond), Economics. Sandston, Va.
- Simms, Sarah Thelma  
A.B. (West Liberty State Teachers College), Education. Short Creek, W. Va.

- Sims, Alice  
B.S. (Florida State College for Women), Education. Madison, Fla.
- Sims, Mildred Elizabeth  
B.S. (College of Charleston), Psychology, Education. North Charleston, S. C.
- Sinclair, Giles Merten  
A.B. (Western State Teachers College), English. Lowell, Mich.
- Singeltary, Mary Leora  
B.S. (Florida State College for Women), Education, Botany. Kissimmee, Fla.
- Sites, Thelma Wilson  
B.S. (Madison College), English. Dayton, Va.
- Skiles, Amos F.  
Ph.B. (Muhlenberg College), Education. Allentown, Pa.
- Skiles, Fern Othello  
A.B. (Union University), Education, Sociology. Ecrú, Miss.
- Slacum, Emerson Phillips  
B.S. (Washington College), Education. Cambridge, Md.
- Slater, Mrs. Madelon Lohmann  
B.S. (East Stroudsburg State Teachers College), Education. Kingstón, Pa.
- Slay, Ronald Joseph  
A.B. (Duke University), English. Greenville, N. C.
- Sleichter, Martha Beryl  
B.S. in Ed. (Shippensburg State Teachers College), History. Shippensburg, Pa.
- Slone, Jewell Edwina  
B.S. (Florida State College for Women), History. Mascotte, Fla.
- Slusser, Glenn Albert  
A.B. (Bluffton College), History, Education. Amherst, O.
- Smith, Betty Ross  
A.B. (Washington College), History. Goldsboro, Md.
- Smith, Charles Edgar  
B.S. (Washington College), Education. Church Hill, Md.
- Smith, Elsie Margaret  
A.B. (Duke University), Sociology. Durham, N. C.
- Smith, Iva Dorcas  
A.B. (Columbia College), English. Conway, S. C.
- Smith, Jonathan Marshall  
A.B. (Davidson College), B.D. (Union Seminary), Economics. Newell, N. C.
- Smith, Margaret McMillan  
A.B. (Florida State College for Women), Education. Gainesville, Fla.
- Smith, Mrs. Ruby Ballard  
A.B. (University of Kentucky), Education. Decatur, Ga.
- Smith, Ruby Elizabeth  
A.B. (Glenville State Teachers College), Education. Clarksburg, W. Va.
- Smith, Theodore Carroll, Jr.  
B.S. (Memphis State Teachers College), Education. Cordova, Tenn.
- Smith, Virginia Pauline  
A.B. (Woman's College of the University of North Carolina), English. Rocky Mount, N. C.
- Smith, William Arthur  
A.B. (Furman University), Education. Hartsville, S. C.
- Sneed, Henry Lee, Jr.  
A.B. (Erskine College), Education. Clover, S. C.
- Snellgrove, Harold Sinclair  
A.B. (Duke University), French. Meridian, Miss.
- Snider, Mary Elizabeth  
B.S. (California State Teachers College), History, Education. Brownsville, Pa.
- Snuggs, Robert Marvin, Jr.  
B.S. (University of Alabama), Education. Hartford, Ala.
- Snyder, Dorothy Nancy  
A.B. (Lebanon Valley College), English. Cleona, Pa.
- Soverns, James William  
B.S. (California State Teachers College), Education, Mathematics. Dickerson Run, Pa.



- Sparks, Marye Remelle  
A.B. (Athens College), English. Spruce Pine, Ala.
- Spence, Floyd Vance  
A.B. (University of North Carolina), B.D. (Duke University), Education. Kinston, N. C.
- Spencer, Alden Alva  
A.B. (Salem College), Education. Salem, W. Va.
- Spencer, Dale Kirk  
A.B. (Davidson College), Education. Grassy Creek, N. C.
- Steele, Andrew Jackson  
B.S. (Emory and Henry College), Political Science, Education. Emory, Va.
- Steele, Margaret Molevia  
A.B. (Erskine College), Education. Waxhaw, N. C.
- Steelman, Max Randolph  
A.B. (Lenoir Rhyne College), Sociology, Education. Hickory, N. C.
- Stephenson, Moselle  
A.B. (Winthrop College), English, Education. Winston-Salem, N. C.
- Stephenson, Ruth Lee  
A.B. (University of Richmond), Mathematics. Richmond, Va.
- Stewart, Nancy Geraldine  
B.S. (University of Pittsburgh), Education, History. Wilkinsburg, Pa.
- Stewart, Truman Joel  
A.B. (Earlham College), History. West Alexandria, O.
- Still, Evedon H.  
A.B. (Furman University), Political Science, Education. Abbeville, S. C.
- Stockhous, Ruth Elsa  
A.B. (Western Reserve University), English. Shaker Heights, O.
- Stone, Henry Clarence  
B.S. (North Carolina State College), Education. Shallotte, N. C.
- Stone, Jake Ward  
A.B. (Lynchburg College), History, Education. Check, Va.
- Stone, Robert Ott  
A.B. (Concord State Teachers College), Education. Athens, W. Va.
- Story, Elsie Dabney  
B.S. (Farmville State Teachers College), Education, Sociology. Sweet Briar, Va.
- Stoudt, Eugene Frank  
B.S. (Albright College), Education. Bethel, Pa.
- Street, Jessie Josephine  
A.B. (Blue Mountain College), Political Science, History. Rigley, Miss.
- Strickland, Cecil Calvert  
A.B. (Glennville State Teachers College), M.S. (West Virginia University), Zoology. Clendenin, W. Va.
- Stripling, Edna Harriette  
A.B. (Alabama College), French, English. Birmingham, Ala.
- Strom, Samuel Thaddeus  
A.B. (Furman University), English, Education. Ward, S. C.
- Stukes, Mildred Placidia  
A.B. (Winthrop College), Mathematics. Davis Station, S. C.
- Stull, Martha Louise  
B.S. (Shippensburg State Teachers College), English, Education. Waynesboro, Pa.
- Stutzman, Karl Hostetter  
B.S. (Bucknell University), Education. Williamsport, Pa.
- Styer, Mildred Miller  
A.B. (Bucknell University), Mathematics. Kennett Square, Pa.
- Sumner, W. Cary, Jr.  
B.S. (Murray State Teachers College), Education. Mt. Sterling, Ky.
- Sutor, Jack Alexander  
B.E. (Northern Illinois State Teachers College), English. St. Petersburg, Fla.
- Sutton, Homer Bates  
B.S. (Georgia State College for Men), Education. Dalton, Ga.
- Swearingen, Mildred Emily  
A.B. (Oberlin College), Sociology, Education. Eagle Lake, Fla.

- Swendiman, Dorothy Della  
A.B. (Flora McDonald College), History. Tampa, Fla.
- Syfrett, Jesse Mercer  
A.B.E. (University of Florida), History, Education. Stuart, Fla.
- Sypher, Ruth Margaret  
B.S. in Ed. (Mansfield State Teachers College), Education, English. Picture Rocks, Pa.
- Tabor, Dorothy Hazel  
A.B. (Wesleyan College), History, Education. Quitman, Ga.
- Tanner, Martha Malinda  
A.B. (Winthrop College), Zoology. Chesnee, S. C.
- Tatum, Ina Daphne  
A.B. (East Carolina Teachers College), Sociology, Education. Elizabethtown, N. C.
- Tatum, Sarah Elizabeth  
B.S. (Peabody College), Education. LaFayette, Ala.
- Taylor, Ellis Bruce  
B.S. (Hobart College), History. Waverly, Va.
- Taylor, James David  
B.S. (Wake Forest College), Education. Kannapolis, N. C.
- Taylor, Mary Thelma  
A.B. (Susquehanna University), English, Education. Elizabethtown, Pa.
- Teagarden, Lucetta Jane  
A.B. (Wilson College), English. Carmichaels, Pa.
- Teer, Thomas Walter  
A.B. (University of North Carolina), English. Durham, N. C.
- Terry, Charles Edwin, Jr.  
B.S.E. (University of Florida), Education. Winter Park, Fla.
- Thomas, David Boyd  
B.S., M.S. (North Carolina State College), Physics. Raleigh, N. C.
- Thomas, Margaret Elizabeth  
A.B. (Waynesburg College), English. Waynesburg, Pa.
- Thomas, Mary Louise  
B.Mus. (Columbia College), Education. Branchville, S. C.
- Thompson, Ethel Mae  
A.B. (Geneva College), Education, Psychology. New Brighton, Pa.
- Thompson, Francis Preston  
B.S., A.M. (University of South Carolina), Education. Coronaca, S. C.
- Thompson, Oliver George  
A.B. (Wofford College), Education. Efland, N. C.
- Threatte, James Wilson  
B.S. (Georgia State College for Men), Education. Lakeland, Ga.
- Tidler, Hazel  
A.B. (West Virginia University), English. Clarksburg, W. Va.
- Till, Mary  
B.S. (Birmingham-Southern College), Mathematics, Education. Birmingham, Ala.
- Tolbert, Nancy Undine  
B.S. (Converse College), Mathematics. Erwin, Tenn.
- Tomeny, Rose Nell  
A.B. (Loyola University), English. New Orleans, La.
- Torwick, Anne Christine  
B.S. (South Dakota State College), English. Volgar, S. D.
- Trent, Rosalind Lee  
A.B. (Woman's College of the University of North Carolina), Psychology. Depot, Va.
- Trewhitt, Mrs. Katharine Lowry  
A.B. (University of Chattanooga), English. Cleveland, Tenn.
- Trimble, William Ellwood  
B.S. (West Chester State Teachers College), Education. Boonton, N. J.
- Truesdel, Kitty Eva  
A.B. (Mississippi State College for Women), English. Hattiesburg, Miss.
- Truss, Ethel Maurine  
A.B. (University of Puerto Rico), English. San Juan, Puerto Rico

- Turner, Robert Love Lex, W. Va.  
A.B. (Marshall College), Education, Political Science.
- Tyer, Lena Mae Malvina, Miss.  
B.S. (Mississippi Delta State Teachers College), Education.
- Tyler, Willoughby Bartlett Blacksburg, Va.  
B.S. (Virginia Polytechnic Institute), Mathematics.
- Vandell, William Kenneth Layland, W. Va.  
A.B. (New River State College), Education, Economics.
- Van Devander, Elizabeth Neff Pell City, Ala.  
A.B. (Howard College), Education.
- Varn, Mary Aileen Plant City, Fla.  
B.S. (Florida State College for Women), Education.
- Varney, Marvin Neil North Matewan, W. Va.  
A.B. (Marshall College), Political Science, Education.
- Vause, Rubie Jackson Rocky Mount, N. C.  
A.B. (Duke University), English.
- Vermillion, Gertrude Tallahassee, Fla.  
A.B. (Greenville Woman's College), B.S. (George Peabody College for Teachers),  
M.A. (Columbia University), Chemistry.
- Vick, Giles Wesley, Jr. Statesville, N. C.  
A.B. (Duke University), Mathematics, Education.
- Villaume, John Charles Honesdale, Pa.  
A.B. (Gettysburg College), History.
- Viser, Janis Marie Greenville, S. C.  
A.B. (Furman University), English, French.
- Vivadell, Hugo Spangler, Pa.  
B.S. (Dickinson College), Education.
- Vogt, Hume Robert Beckley, W. Va.  
A.B. (Concord State Teachers College), Sociology, Education.
- Vorlage, Elizabeth Blairsville, Pa.  
B.S. in Ed. (Susquehanna University), English.
- Waite, Edward Emerson, Jr. New Hampton, N. H.  
B.S. (Middebury College), Sociology.
- Walker, Ermine Montgomery, Ala.  
A.B., M.A. (University of Alabama), History.
- Walker, Harriet Virginia Johnston, S. C.  
A.B. (Winthrop College), History.
- Walkley, Emera Jeanette Birmingham, Ala.  
A.B. (Birmingham-Southern College), Education.
- Wall, Harriet Euphrasia Macon, Ga.  
A.B. (Mercer University), Mathematics, Education.
- Wallin, Virginia Stanton Wilmington, Del.  
A.B. (University of Delaware), History.
- Walsh, Anastasia Charleston, S. C.  
B.S. (The College of Charleston), English.
- Walsh, Mary Katherine Charleston, S. C.  
B.S. (The College of Charleston), English.
- Walter, Mrs. Dorothy Clements Lubbock, Texas  
A.B. (Texas Technological College), English.
- Walter, John Arnold Lubbock, Texas  
A.B., M.A. (Texas Technological College), English.
- Ware, James Edgar Benevolence, Ga.  
B.S. (South Georgia Teachers College), Sociology, Education.
- Wargo, Margaret Claire Duquesne, Pa.  
B.S. (Indiana State Teachers College), Education.
- Warren, George Corbett, Jr. Sumter, S. C.  
B.S. (Clemson Agricultural College), Sociology.
- Warren, Ida Leane Spring Hope, N. C.  
A.B. (Meredith College), Mathematics.

- Warren, John Sharpe  
A.B. (Mississippi College), M.A., B.D. (Emory University), Education. Wrens, Ga.
- Watson, Charlie Hugh  
A.B. (Wofford College), English. Cross Anchor, S. C.
- Watson, Emily Montael  
B.S. (Mississippi Delta State Teachers College), History, Education. Carrollton, Miss.
- Watts, Hessie Brawley  
A.B., A.M. (Duke University), English. Mooresville, N. C.
- Weathers, Roy Elam  
A.B. (University of North Carolina), Education. Shelby, N. C.
- Weaver, Benjamin Rhoads  
B.S. (Millersville State Teachers College), Education, History. Columbia, Pa.
- Weaver, Mary Virginia  
A.B. (Randolph Macon Woman's College), Psychology. Asheville, N. C.
- Weaver, Millard Henry  
B.S. (Elizabethtown College), Education. Windber, Pa.
- Webb, Barsha Ruth  
A.B., A.M. (University of Tennessee), History. Durham, N. C.
- Webb, Thomas Norfleet  
A.B. (University of North Carolina), Botany. Hillsboro, N. C.
- Weinberger, David H.  
A.B. (University of Pittsburgh), Education. Homestead, Pa.
- Weller, Grace Harlowe  
A.B. (Maryville College), English. Canmer, Ky.
- Weller, Wayne  
A.B. (Western Kentucky State Teachers College), Education. Fort Knox, Ky.
- Welshans, Freel Gardner  
A.B. (Shepherd State Teachers College), Education. Shepherdstown, W. Va.
- West, Evelyn Wells  
B.S. (Farmville State Teachers College), Education. Lynchburg, Va.
- West, Harold Fane  
A.B. (Glenville State Teachers College), Education. Glasgow, W. Va.
- White, Frank Dudley  
A.B. (Randolph Macon College), Education. Linden, Va.
- White, Wilson Elmer  
B.S. (West Chester State Teachers College), Education. Westfield, Pa.
- Whiting, Sara Maysel  
A.B. (Glenville State Teachers College), Sociology, Education. Spencer, W. Va.
- Whitlatch, Lewis Wade  
B.S. (California State Teachers College), History. Monongahela, Pa.
- Whitner, Elizabeth  
A.B. (Florida State College for Women), Education. Sanford, Fla.
- Wiggins, Elizabeth Lewis  
A.B. (Winthrop College), English. Holly Hill, S. C.
- Wilcox, Mrs. Kathryn Johnson  
A.B. (John B. Stetson University), English, Education. Clearwater, Fla.
- Wilcox, Mollye Ella  
A.B. (Berea College), History. Elk Park, N. C.
- Wilfong, Mildred Elizabeth  
A.B. in Ed. (Florida State College for Women), French, Education. Tallahassee, Fla.
- Williams, Margaret Lawrene  
B.S. (Memphis State Teachers College), Education. Memphis, Tenn.
- Williams, Roger Augustus  
A.B. (Erskine College), Education. Abbeville, S. C.
- Willis, Mrs. Margaret Carter  
A.B. (East Carolina Teachers College), Education, Psychology. New Bern, N. C.
- Willis, Mary Frances  
A.B. (Florida State College for Women), English. Jacksonville, Fla.
- Wilson, Elizabeth Andrews  
A.B. (Florida State College for Women), History. Tampa, Fla.

- Wilson, Frances Louise  
A.B. (University of Miami), Education. Miami, Fla.
- Wilson, Harold Gerald  
B.S.A. (University of Florida), Education. Greenville, Fla.
- Wilson, Joseph Bobula  
B.S. (Juniata College), Education. Central City, Pa.
- Wimberly, Mrs. Rosamonde Ramsay  
A.B., A.M. (University of South Carolina), History, Sociology. Spartanburg, S. C.
- Wonder, Craig Earl  
A.B. (Juniata College), French. Martinsburg, Pa.
- Wood, Edna Edith  
A.B. (Baker University), Education. Kansas City, Kan.
- Wood, Julia Jordan  
B.S. (Troy State Teachers College), Education. Troy, Ala.
- Wood, Robert Eugene  
A.B. (Baker University), Sociology. Kansas City, Kan.
- Woodruff, Carmen Moore  
A.B. (Georgia State Teachers College), English, Education. Covington, Ga.
- Woodruff, Margaret  
B.S. (East Tennessee State Teachers College), Education. Johnson City, Tenn.
- Worley, William Carson  
A.B. (Gettysburg College), Education. Jacobus, Pa.
- Wright, Audrey Adele  
B.S. (University of Louisville), Education. Louisville, Ky.
- Wright, Charles Jennings  
A.B. (West Liberty State Teachers College), History. Marshall, N. C.
- Wylie, Claude  
A.B. (Concord State Teachers College), Education. Gap Mills, W. Va.
- Wyly, Anne Ethel  
B.A. (Louisiana Technical College), English. Lake Providence, La.
- Yager, Charles Monroe  
B.S. (University of Maryland), Education. Baltimore, Md.
- Yelverton, Jane Hall  
A.B. (Meredith College), English. Raleigh, N. C.
- Young, De Walt Secrist  
A.B. (Cornell College), A.M. (Duke University), Chemistry. Lisbon, Iowa
- Young, Hobart McKinley  
A.B. (Concord State Teachers College), Education. Bluefield, W. Va.
- Young, Laura Newell (Mrs.)  
A.B. (Florida State College for Women), English. West Palm Beach, Fla.
- Young, William Alson  
B.S. (Muhlenberg College), Sociology. Coopersburg, Pa.
- Young, William Vincent  
B.S. (West Chester State Teachers College), Education. Swoyerville, Pa.
- Young, Worth John  
B.S. (Emory and Henry College), Mathematics. Lansing, N. C.
- Zarfoss, Lewis Harold  
B.S. (Millersville State Teachers College), Education. Columbia, Pa.
- Ziglar, Benjamin Franklin  
B.S. (Troy State Teachers College), Education. Headland, Ala.
- Zipplies, Margaret Roberta  
A.B. (Georgia State Woman's College at Valdosta), Zoology. Savannah, Ga.
- Zoller, Howard Frederick  
B.S. (East Stroudsburg State Teachers College), Education. East Stroudsburg, Pa.
- Zwicker, Ruth Mary  
A.B. (University of Louisville), Education. Louisville, Ky.

**SUMMER OF 1939; SECOND TERM**

- Ackerman, Hugo Sheridan  
A.B. (Wofford College), History. Orangeburg, S. C.

- Aimar, Caroline Picault  
A.B. (College of Charleston), English. Charleston, S. C.
- Albright, Thelma  
A.B. (Greensboro College), A.M. (Duke University), English. Stokesdale, N. C.
- Alderfer, Marjorie Clemens  
B.R.E. (Hartford School of Religious Education), English. Upper Darby, Pa.
- Aldridge, Alfred Owen  
B.S. (Indiana University), M.A. (University of Georgia), English. Buffalo, N. Y.
- Alexander, Ellen  
A.B. (Winthrop College), History. Mountville, S. C.
- Allen, Clark Lee  
A.B. (McKendree College), M.A. (Washington University), Economics. Aurora, Ill.
- Allgood, Catharine  
A.B. (Winthrop College), Psychology, Education. Liberty, S. C.
- Anderson, Ruby Jane  
A.B. (Western Kentucky State Teachers College), History. Coneyville, Ky.
- Anderson, Mrs. St. Claire  
A.B. (Winthrop College), English. Charleston, S. C.
- Andrews, Mary Ruth  
A.B. (West Virginia University), Education. Alderson, W. Va.
- Arant, Martha Erress  
B.S. (Florida State College for Women), Botany. Milton, Fla.
- Armstrong, Leo Henry  
B.S.E. (University of Florida), Education. Bradenton, Fla.
- Ashworth, Geraldine  
A.B. (Duke University), Education, Sociology. Bluefield, W. Va.
- Aycock, William Brantley  
B.S. (North Carolina State College), M.A. (University of North Carolina), Education. Selma, N. C.
- Ayers, Archie Raymond  
B.S. (University of South Carolina), A.M. (Duke University), Education. Calhoun Falls, S. C.
- Ayers, Mrs. Valla Evelyn  
A.B. (Western Kentucky State Teachers College), English. Wilmington, N. C.
- Baird, Sybil  
A.B. (Howard College), English. Birmingham, Ala.
- Barbot, Mary Elizabeth  
A.B. (College of Charleston), English. Charleston, S. C.
- Barr, Coke L.  
B.S. (Florida Southern College), Education. Jacksonville, Fla.
- Barr, Leon Vincent  
B.S. (Lock Haven State Teachers College), Mathematics. Westpoint, Pa.
- Barr, Orville Asbury  
B.S. (Florida Southern College), Education, Psychology. Jacksonville, Fla.
- Baucom, Thomas Victor  
A.B., A.M. (Duke University), Education. Oakland, Md.
- Baxter, Joseph Ray  
A.B. (Berea College), History. Camp Dix, Ky.
- Bealle, John Wynne, Jr.  
B.S. (Millsaps College), Economics, Education. Sardis, Miss.
- Beeker, Henry Judson  
B.S. (Appalachian State Teachers College), History. Green Sea, S. C.
- Beery, Clara Reubel  
A.B. (Mary Baldwin College), B.S. (Madison College), History, English. Washington, D. C.
- Beery, Mrs. Lena Grace  
A.B. (Marshall College), B.S. (Morris Harvey College), Education. Elkview, W. Va.
- Belknap, Raymond L.  
A.B. (Upper Iowa University), Education. Lovings-ton, Va.
- Bell, Bessie Boyd  
A.B. (West Virginia University), A.M. (University of Chicago), History. Glenville, W. Va.



- Benton, William Joy  
A.B. (Mercer University), Education. Albany, Ga.
- Best, Albert Hartwell, Jr.  
A.B. (Wofford College), Economics, Education. Durham, N. C.
- Binns, Elizabeth Feary  
A.B. (Florida Southern College), Education. Winter Haven, Fla.
- Bird, Ralph Sidney  
B.S. (Morris Harvey College), Sociology. Athens, W. Va.
- Black, Roland Joseph  
B.S. (Glassboro State Teachers College), Education. Pitman, N. J.
- Blackburn, E. Bernard  
A.B. (Florida Southern College), Sociology. Homestead, Fla.
- Bloom, Robert Louis  
B.S. in Ed. (Shippensburg State Teachers College), History. Tyrone, Pa.
- Boland, Joseph Bethro  
A.B. (Marshall College), Education. Iaeger, W. Va.
- Bondurant, Agnes Meredith  
B.S. in Ed. (Farmville State Teachers College), English. Rice, Va.
- Boone, William Riley Prichard  
B.A., B.S. (University of Texas), History. Marshall, Texas
- Bowman, Bernice Claire  
A.B. (Union College), English. Miami, Fla.
- Boyer, Luther Karl  
A.B. (Susquehanna University), Economics, Education. Mt. Carmel, Pa.
- Bradley, Katherine  
A.B. (Greensboro College), Zoology. Forest City, N. C.
- Brawley, Harry Morgan  
A.B., A.M. (West Virginia University), Education. Charleston, W. Va.
- Bridgers, John Elbert, Jr.  
A.B. (Duke University), A.M. (Harvard University), English. Greensboro, N. C.
- Bridy, Charles Louis  
A.B. (Mt. St. Mary's), Education. Mt. Carmel, Pa.
- Britton, Margery Etta  
B.A. (New Jersey State Teachers College), Education. Dunellen, N. J.
- Brothers, Wilbur Leo  
A.B. (Indiana State Teachers College), Education. Clay City, Ind.
- Brown, George Erwin  
A.B. (Piedmont College), Education. Siloan, Ga.
- Brown, Gilbert Elgar  
A.B. (Wilmington College), Education. War, W. Va.
- Brown, Mary Elizabeth  
B.S. (College of William and Mary), Mathematics. Roanoke, Va.
- Bryan, Colgan Hobson  
B.S. (University of South Carolina), Education. Trenton, S. C.
- Bryant, Anne  
B.S. (East Tennessee State Teachers College), English. Hampton, Va.
- Buckwalter, Kathryn Mary  
B.S. (Millersville State Teachers College), English. Lancaster, Pa.
- Burdette, Mr. Orral L.  
B.S. (New River State Teachers College), Education. Beckley, W. Va.
- Burkhardt, William Emory  
A.B. (Washington College), Education. Easton, Md.
- Burks, Ray Otis, Jr.  
A.B., A.M. (University of Arkansas), English. Stuttgart, Ark.
- Burns, David Francisco  
B.S.E. (University of Florida), Education. Havana, Fla.
- Burns, Grover Preston  
A.B. (Marshall College), Mathematics. Culloden, W. Va.
- Butler, Allen Dexter  
A.B., A.M. (University of North Carolina), English. Liberty, N. C.

Butts, Virginia Frye A.B. (West Virginia University), English.	Harper's Ferry, W. Va.
Byers, Kathryn Roberta A.B. (Florida State College for Women), History.	St. Petersburg, Fla.
Caldabaugh, Harry Rahr B.S. (West Virginia Wesleyan College), Education.	Wheeling, W. Va.
Calvert, Henry Woodrow B.S. (University of South Carolina), Sociology.	Rock Hill, S. C.
Cannon, Mrs. Margaret Faw A.B. (Randolph-Macon Woman's College), Education.	Durham, N. C.
Cardwell, Raymond Elbert A.B. (University of Chattanooga), English.	Chattanooga, Tenn.
Carpenter, Nevette Hefner A.B. (Lenoir Rhyne College), Education.	Hickory, N. C.
Carper, Doris Viola B.S. (Farmville State Teachers College), Psychology, Education.	Norfolk, Va.
Carr, Heyward Alexander A.B. (Erskine College), Education.	Rock Hill, S. C.
Carruth, James Walton B.S. in Ed. (South Georgia Teachers College), Education, Sociology.	Wilmington, N. C.
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A.B. (West Liberty State Teachers College), Education.
- Sinclair, Giles Merten Belding, Mich.  
A.B. (Western State Teachers College), English.
- Singeltary, Mary Leora Kissimmee, Fla.  
B.S. (Florida State College for Women), Botany.
- Sites, Thelma Wilson Dayton, Va.  
B.S. (Madison College), Education, English.
- Skiles, Amos F. Allentown, Pa.  
Ph.B. (Muhlenberg College), Education.
- Skiles, Fern Othello Ecu, Miss.  
A.B. (Union University), Education.
- Slacum, Emerson Phillips Cambridge, Md.  
B.S. (Washington College), Education.
- Slusser, Glenn Albert Amherst, O.  
A.B. (Bluffton College), History, Education.
- Smith, Elsie Margaret Durham, N. C.  
A.B. (Duke University), Education.
- Smith, Jonathan M. Newell, N. C.  
A.B. (Davidson College), B.D. (Union Seminary), Education.
- Smith, Margaret McMillan Gainesville, Fla.  
A.B. (Florida State College for Women), Education.
- Smith, Rebecca Elon College, N. C.  
A.B. (Elon College), A.M. (Duke University), English.
- Snuggs, Robert Marvin, Jr. Hartford, Ala.  
B.S. (University of Alabama), Political Science, Education.
- Sommers, Anne Farmer Pittsburgh, Pa.  
B.S. (University of Pittsburgh), Education.
- Spencer, Alden Alva Salem, W. Va.  
A.B. (Salem College), Education.
- Spencer, Dale Kirk Grassy Creek, N. C.  
A.B. (Davidson College), Education.
- Steele, Andrew Jackson Emory, Va.  
B.S. (Emory and Henry College), Education.
- Steelman, Max Randolph Hickory, N. C.  
A.B. (Lenoir Rhyne College), Education.

Stephenson, Ruth Lee A.B. (University of Richmond), Mathematics.	Richmond, Va.
Sterling, Susan Elizabeth B.S. (New York University), Education.	Cranford, N. J.
Stewart, Truman Joel A.B. (Earlham College), History.	West Alexandria, O.
Still, Evedon Howell (Mr.) A.B. (Furman University), Education.	Abbeville, S. C.
Stone, Jake Ward A.B. (Lynchburg College), Education.	Check, Va.
Stone, Robert Ott A.B. (Concord State Teachers College), Education.	Athens, W. Va.
Stripling, Edna Harriette A.B. (Alabama College), French, English.	Birmingham, Ala.
Strom, Samuel Thaddeus A.B. (Furman University), Education.	Ward, S. C.
Sumner, William Cary B.S. (Murray State Teachers College), Education.	Mt. Sterling, Ky.
Sutor, Jack Alexander B.E. (Northern Illinois State Teachers College),	St. Petersburg, Fla. History.
Swearingen, Mildred Emily A.B. (Oberlin College), Education.	Eagle Lake, Fla.
Sypher, Ruth Margaret B.S. in Ed. (Mansfield State Teachers College),	Picture Rocks, Pa. Education.
Tabor, Dorothy Hazel A.B. (Wesleyan College), History.	Quitman, Ga.
Tanner, Martha Malinda A.B. (Winthrop College), Zoology.	Chesnee, S. C.
Taylor, Ellis Bruce B.S. (Hobart College), Education.	Canandaigua, N. Y.
Taylor, James David B.S. (Wake Forest College), Education.	Kannapolis, N. C.
Taylor, Jasper Rhoad A.B. (Lincoln Memorial University), Education.	Lancaster, S. C.
Taylor, Robert Glenn, Jr. B.S. (Appalachian State Teachers College), Education.	Laurel Springs, N. C.
Teagarden, Lucetta Jane A.B. (Wilson College), English.	Carmichaels, Pa.
Thompson, Brose Elmer B.S. (Grove City College), Economics.	Westfield, N. J.
Thompson, Clarence Edward B.S. (Geneva College), Mathematics.	Freedom, Pa.
Thompson, Ethel Mae A.B. (Geneva College), Education.	New Brighton, Pa.
Tidler, Hazel A.B. (West Virginia University), English.	Clarksburg, W. Va.
Togneri, Lila Clementine A.B. (Winthrop College), Education.	Aiken, S. C.
Trewhitt, Mrs. Katharine Lowrey A.B. (University of Chattanooga), English.	Cleveland, Tenn.
Tribble, William Roy A.B. (Arizona State Teachers College), Education.	Chandler, Ariz.
Trimble, William Ellwood B.S. (West Chester State Teachers College), Education, Sociology.	Boonton, N. J.
Turner, Robert Love A.B. (Marshall College), Education.	Lex, W. Va.
Tyler, Willoughby Bartlett B.S. (Virginia Polytechnic Institute), Education.	Blacksburg, Va.
Vandell, William Kenneth A.B. (New River State College), Economics, Education.	Layland, W. Va.



- Varn, Mary Aileen  
B.S. (Florida State College for Women), Education. Plant City, Fla.
- Vick, Giles Wesley, Jr.  
A.B. (Duke University), Education. Statesville, N. C.
- Villaume, John Charles  
A.B. (Gettysburg College), History. Honesdale, Pa.
- Viser, Janis Marie  
A.B. (Furman University), English. Greenville, S. C.
- Walker, Thelma Pauline  
B.S. (East Tennessee State Teachers College), Education. Johnson City, Tenn.
- Wall, Harriet Euphrasia  
A.B. (Mercer University), Education. Macon, Ga.
- Wallin, Virginia Stanton  
A.B. (University of Delaware), Education. Wilmington, Del.
- Warren, John Sharpe  
A.B. (Millsaps College), A.M., B.D. (Emory University), Education. Wrens, Ga.
- Watts, Hessie Brawley  
A.B., A.M. (Duke University), English. Mooresville, N. C.
- Webb, Barsha Ruth  
A.B., A.M. (University of Tennessee), History. Kingsport, Tenn.
- Welshans, Freel Gardner  
A.B. (Shepherd State Teachers College), Education. Shepherdstown, W. Va.
- West, Evelyn Wells  
B.S. (Farmville State Teachers College), Education. Lynchburg, Va.
- White, Frank Dudley  
A.B. (Randolph-Macon College), Education. Linden, Va.
- Wiggins, James Wilhelm  
B.S. (South Georgia Teachers College), Sociology. Dublin, Ga.
- Wilfong, Mildred Elizabeth  
A.B. (Florida State College for Women), Education. Tallahassee, Fla.
- Williams, Joseph Lake  
A.B. (Duke University), Economics. Easley, S. C.
- Williams, Louis Gressett  
A.B. (Marshall College), Zoology. Milton, W. Va.
- Williams, Rose Elizabeth  
A.B. (Erskine College), Education, English. Iva, S. C.
- Willis, Mary Frances  
A.B. (Florida State College for Women), Education. Jacksonville, Fla.
- Wilson, Elizabeth Andrews  
A.B. (Florida State College for Women), English. Tampa, Fla.
- Wilson, Frances Louise  
A.B. (University of Miami), Education. Miami, Fla.
- Wilson, Raymond G.  
B.S. (Memphis State Teachers College), Education. Union City, Tenn.
- Wimberly, Mrs. Rosamonde Ramsay  
A.B., A.M. (University of South Carolina), History, Sociology. Spartanburg, S. C.
- Woodruff, Carmen Moore  
A.B. (Georgia State Teachers College), English. Covington, Ga.
- Worley, William Carson  
A.B. (Gettysburg College), Zoology. Jacobus, Pa.
- Wynn, Lawrence  
A.B. (Emory University), English. Milledgeville, Ga.
- Yager, Charles Monroe  
B.S. (University of Maryland), Education. Baltimore, Md.
- Young, Hobart McKinley  
A.B. (Concord State Teachers College), Education. Bluefield, W. Va.
- Young, Mrs. Laura Newell  
A.B. (Florida State College for Women), English. West Palm Beach, Fla.
- Young, William Alson  
B.S. (Muhlenberg College), Education. E. Stroudsburg, Pa.

- Young, William Vincent  
B.S. (West Chester State Teachers College), Education. Swoyerville, Pa.
- Ziglar, Benjamin Franklin  
B.S. (Troy State Teachers College), Education. Headland, Ala.
- Zippies, Margaret Roberta  
A.B. (Georgia State Woman's College at Valdosta), Zoology. Savannah, Ga.

## JUNALUSKA SUMMER SCHOOL, 1939

- Autry, John Duncan Asbury  
A.B., A.M. (Duke University), Religion. Godwin, N. C.
- Bromley, Ernest Raymond  
B.S. (Boston University), Religion. Brookline, Mass.
- Carpenter, Della  
B.S. (Ohio University), Religion. Man, W. Va.
- Caughey, Mary Gladys  
B.S. (Geneva College), M.A. (Teachers College, Columbia University), Botany. Chester, W. Va.
- Crane, Etha Pearl (Mrs.)  
A.B. (Florida Southern), Botany. Lake Worth, Fla.
- Darst, Anne Etta Denit (Mrs.)  
B.S. (Farmville State Teachers College), Religion. Shawsville, Va.
- Furness, Thomas Adrian, Jr.  
A.B. (Elon College), Religion. Canton, N. C.
- Hickman, Victor Ralph  
A.B. (Wofford College), Religion. Springfield, S. C.
- Hollinger, Olive Sullivan  
A.B. (Southern Methodist University), Botany. Meadville, Miss.
- Houck, Winton Robert  
A.B. (Morris Harvey College), Botany. Spencer, W. Va.
- Jenkins, Joseph Daniel  
A.B. (Florida Southern College), Botany. Highland City, Fla.
- Keever, Nancy Catherine  
A.B. (Duke University), Botany. Stony Point, N. C.
- McGalliard, James LaFayette  
A.B. (Elon College), Religion. Spear, N. C.
- Murley, Margaret Reba  
A.B. (Iowa State Teachers College), M.S. (Northwestern University), Botany. Winthrop, Iowa
- Price, Edgar Conrad  
B.S. (Western Carolina Teachers College), Religion. Clyde, N. C.
- Stillwell, Edgar Herman  
B.S., M.A. (George Peabody College for Teachers), Religion. Cullowhee, N. C.
- Williams, Lena Parker  
B.S. (Georgia State College for Women), Botany. Chicamauga, Ga.
- Wood, Hoyt Hampton  
A.B. (High Point College), Religion. Gibsonville, N. C.

## THE SCHOOL OF RELIGION

## SENIOR YEAR

- Andes, William Jacob  
A.B., Elon College, 1935. Harrisonburg, Va.
- Andrews, William Ed  
A.B., Wofford College, 1937. Lake Toxaway, N. C.
- Arbaugh, Robert Newton  
A.B., Hendrix College, 1937. Paragould, Ark.
- Bagby, Steadman  
A.B., Lambuth College, 1932. Calvert City, Ky.
- Barrs, William Kenneth  
A.B., Duke, 1937. South Miami, Fla.

Biggers, Sherrill Bost B.Ph., Emory, 1937.	Concord, N. C.
Brady, William Herman A.B., Duke, 1937.	Highfalls, N. C.
Brown, Raymond Odell A.B., High Point College, 1937.	High Point, N. C.
Bustle, Wade Robert A.B., Davidson College, 1937.	Statesville, N. C.
Coley, Herman Theophilus A.B., Wofford College, 1936.	Hillsboro, N. C.
Crutchfield, Finis Alonzo A.B., Southern Methodist, 1937.	Vernon, Tex.
Dodge, William Wesley A.B., American University, 1937.	McLean, Va.
Evans, Joseph Claude A.B., Wofford College, 1937.	Anderson, S. C.
Ferguson, Edward Benjamin A.B., University of North Carolina, 1937.	Greenville, N. C.
Foley, Lemley Peter A.B., Berea College, 1937.	Stuart, Va.
Freeman, Ralph Lexie B.S., Tennessee Polytechnic Institute, 1937.	Cumberland Furnace, Tenn.
Fulton, John William A.B., Moravian College, 1937.	Winston-Salem, N. C.
Garrison, Robert Edmund A.B., Randolph-Macon College, 1937.	Dillwyn, Va.
Hickman, Victor Ralph A.B., Wofford College, 1935.	Springfield, S. C.
Higgins, James Silvester A.B., High Point College, 1937.	Highlands, N. C.
Hubbard, Charles Spence A.B., University of North Carolina, 1936.	Sanford, N. C.
Keeler, Waldo Forrest A.B., Marion College, 1932.	West End, N. C.
Kelley, Marvin Hess A.B., Hendrix College, 1937.	Holly Grove, Ark.
Kiker, Seaborn Martin A.B., Southern Methodist, 1937.	Dallas, Tex.
McLeod, Walter Grey A.B., Birmingham-Southern College, 1937.	Jackson, Ala.
Milstead, Harold Ashton A.B., St. John's College, 1937.	Chicamuxen, Md.
Nicholson, Ralph Herman A.B., Lenoir-Rhyne College, 1937.	Statesville, N. C.
O'Neal, Ernest Elijah B.S., University of Mississippi, 1935.	Charlottesville, Va.
Overton, Ernest Golden A.B., Duke, 1925.	Roxboro, N. C.
Pittard, Jesse Leo A.B., High Point College, 1936.	Roanoke Rapids, N. C.
Queen, Virgil Erwin A.B., Catawba College, 1937.	Morganton, N. C.
Reichard, James Charles A.B., Davidson College, 1936.	Bynum, N. C.
Richardson, Henry Powell A.B., Emory and Henry College, 1937.	Narrows, Va.
Shackford, Joseph Temple A.B., Duke, 1934.	Rock Hill, S. C.
Simpson, Harold Ross A.B., Catawba College, 1937.	Altoona, Pa.

Smith, Aubert Marlyn A.B., High Point College, 1935.	Siler City, N. C.
Taylor, Key Wesley B.R.E., Gordon College, 1936.	Compton, Calif.
Weinland, David Eugene A.B., Moravian College, 1935.	Bethlehem, Pa.

## MIDDLE YEAR

Arthur, Charles Ralph B.S., University of Richmond, 1938.	Richmond, Va.
Autry, John Duncan Asbury A.B., Duke, 1929; A.M., Duke, 1937.	Godwin, N. C.
Baker, Homer Ortho A.B., Wake Forest College, 1936.	Wake Forest, N. C.
Blackburn, Linwood Earl A.B., Duke, 1938.	Fayetteville, N. C.
Boddie, Wyatt David A.B., Centenary College, 1937.	Gibbsland, La.
Boone, Sidney Grant A.B., Duke, 1934.	Gates, N. C.
Booth, Luther Lambuth A.B., Tulane, 1938.	New Orleans, La.
Brabham, Angus McKay, Jr. A.B., University of South Carolina, 1937.	Bamburg, S. C.
Branch, Douglas McKinley A.B., Wake Forest College, 1937.	Cary, N. C.
Bridewell, Joseph Albert A.B., Millsaps College, 1938.	Columbia, Miss.
Brock, Edwin Lawrence A.B., Tulane, 1938.	New Orleans, La.
Conley, George Frederick A.B., Wofford College, 1938.	Marion, N. C.
Cooke, Jack A.B., Centenary College, 1938.	Minden, La.
Crumpton, Sidney Randolph A.B., Wofford College, 1932.	Sumter, S. C.
Davis, Willie Dixon A.B., University of South Carolina, 1939.	Mullins, S. C.
Dawson, Dana A.B., Centenary College, 1938.	Shreveport, La.
Duncan, Floyd Alexander A.B., Wofford College, 1938.	Lincolnton, N. C.
Everett, Thomas D., Jr. A.B., Kentucky Wesleyan College, 1938.	Fairview, Ky.
Freeman, William Lawrence A.B., Asbury College, 1937.	Greensboro, N. C.
Galloway, Benedict Atkins A.B., Louisiana State University, 1938.	Raleigh, N. C.
Glenn, Henry Clarence, III A.B., Duke, 1938.	Eufaula, Ala.
Gray, Alan DeLeon A.B., Birmingham-Southern College, 1938.	Brighton, Ala.
Harrell, Haywood Linwood A.B., Duke, 1938.	Rich Square, N. C.
Heffner, William Frank A.B., Wofford College, 1938.	Maiden, N. C.
Hendrix, Thomas Christian A.B., DePauw University, 1938.	Humboldt, Ill.

Inge, John Wesley A.B., Lynchburg College, 1938.	Forest, Va.
Madren, Silas Ernest A.B., Elon College, 1929.	Henderson, N. C.
Meacham, Benjamin Franklin A.B., Duke, 1936.	Mt. Gilead, N. C.
Miller, Irving Roscoe A.B., Catawba College, 1938.	Salisbury, N. C.
Nesbitt, Marion Wilson A.B., Lenoir-Rhyne College, 1938.	Gastonia, N. C.
Parker, Carl Lafayette A.B., Wofford College, 1938.	Ridgeland, S. C.
Pegg, Jabez Paul A.B., University of North Carolina, 1926.	Henderson, N. C.
Prentis, Edward Walker A.B., Evansville College, 1938.	Owensboro, Ky.
Rogers, Harry Lee A.B., Asbury College, 1938.	Stem, N. C.
Rustin, Lee D. A.B., Arizona State Teachers College, 1938.	Pacific Palisades, Calif.
Stamey, Robert Henry A.B., Duke, 1939.	Lawndale, N. C.
Stevens, Wyatt Millard A.B., Elon College, 1936.	Roanoke, Ala.
Teer, Harold Benton A.B., Centenary College, 1938.	Hall Summit, La.
Thompson, Walter Rowe A.B., Duke, 1938.	Winston-Salem, N. C.
Waggoner, Brooks Milton A.B., University of Arkansas, 1938.	Stilwell, Okla.

## JUNIOR YEAR

Andrews, Joseph Russell A.B., Wofford College, 1939.	Lake Toxaway, N. C.
Bromley, Ernest Raymond B.S., Boston University, 1939.	Brookline, Mass.
Caldwell, Joseph Edmund A.B., Lenoir-Rhyne College, 1939.	Hickory, N. C.
Carruth, Paul B.S., Millsaps College, 1939.	McComb, Miss.
Cooke, Ross Alton A.B., Birmingham-Southern College, 1938.	Maben, Ala.
Culp, William B. A. A.B., American University, 1939.	Gold Hill, N. C.
Dollar, Melvin A.B., Elon College, 1939.	Malone, Ala.
Francis, William Clive A.B., Wake Forest College, 1936.	Creedmoor, N. C.
Lindsey, Jordan Allen, Jr. A.B., Millsaps College, 1933.	Pelahatchie, Miss.
Mackay, Donald Mason A.B., Emory University, 1938.	Atlanta, Ga.
Mooney, Robert Cleveland, Jr. A.B., Birmingham-Southern College, 1939.	Wilsonville, Ala.
Moore, Jack Warren A.B., Olivet College, 1934.	Bennettsville, S. C.
Moorman, Julian Pierce, Jr. A.B., Emory and Henry College, 1939.	Bristol, Va.
Patten, Brooks A.B., University of North Carolina, 1939.	Louisburg, N. C.

Powell, John James A.B., Lenoir-Rhyne College, 1939.	Hickory, N. C.
Rogers, James Edwin A.B., Atlantic Christian College, 1939.	Rose Hill, N. C.
Scott, LeRoy Alexander A.B., Duke, 1939.	Kannapolis, N. C.
Shannon, Charles Eugene A.B., Duke, 1939.	Monroe, N. C.
Sherk, Warren Arthur A.B., Allegheny College, 1938.	Hornell, N. Y.
Stone, Joseph Lesley A.B., William and Mary College, 1939.	Williamsburg, Va.
Strickland, Thomas Edward A.B., High Point College, 1939.	High Point, N. C.
Tyte, Wilbur Henry A.B., University of Texas, 1933; A.M., University of Texas, 1939.	San Antonio, Tex.
Vaughan, Robert Akers A.B., Centenary College, 1937.	San Antonio, Tex.
Wheeler, Kermit A.B., Atlantic Christian College, 1939.	Kinston, N. C.
Wilkinson, Howard Charles A.B., Southwestern University, 1939.	Katy, Tex.
Williams, Denny DuBose A.B., Duke, 1939.	Alexandria, Va.

## SPECIAL STUDENTS

Cole, Clarence Alfred A.B., Duke, 1933; B.D., University of the South, 1936.	Oxford, N. C.
Higgins, George Gambill A.B., Moravian College, 1931; B.D., Moravian College, 1934.	Clemmons, N. C.
Lever, Oscar William A.B., Wofford College, 1925; M.A., University of South Carolina, 1939.	Blythewood, S. C.
Showalter, Russell Holmes A.B., Hampden-Sydney College, 1928; B.D., Union Theological Seminary, 1931.	Durham, N. C.
Waggoner, John Phillip A.B., Duke, 1935; B.D., Duke, 1938.	Charlotte, N. C.

## JUNALUSKA SCHOOL OF RELIGION

Autry, John Duncan Asbury	Godwin, N. C.
Bromley, Ernest Raymond	Brookline, Mass.
Darst, Lewis Whitefield	Shawsville, Va.
Edwards, Mary Jane	Durham, N. C.
Furness, Thomas Adrian	Canton, N. C.
Goodson, William Alexander, Jr.	Winston-Salem, N. C.
Hickman, Victor Ralph	Springfield, S. C.
Houck, Winton Robert	Spencer, W. Va.
Kendrick, Jack Omer	Ripley, Mass.
Lawson, John Fuller	Erwin, Tenn.
Lineberger, Nancy Jane	Shelby, N. C.
MacDonald, Marian Julia	Johnsonburg, Pa.
McGalliard, James LaFayette	Spear, N. C.



Owen, Robert Erastus	Waynesville, N. C.
Palmer, Frances Seaman	Fairfax, Va.
Price, Edgar Conrad	Clyde, N. C.
Stillwell, Edgar Herman	Cullowhee, N. C.
Wood, Hoyt Hampton	West Jefferson, N. C.

## THE SCHOOL OF LAW

## FIRST YEAR

Barackman, Bruce A.B., Allegheny College, 1939.	Meadville, Pa.
Berkemeyer, Donald Johnston A.B., Oberlin College, 1939.	Webster Groves, Mo.
Bolte, Henry Ferdinand A.B., Duke University, 1939.	Elmhurst, N. Y.
Boutwell, Rufus Cecil, Jr. Duke University, 1936-39.	Durham, N. C.
Breckenridge, John B. A.B., William Jewell College, 1939.	Plattsburg, Mo.
Brown, B. Horace B.A., Maryville College, 1939.	Maryville, Tenn.
Brown, Milton Haynes B.S. in Commerce, Carson-Newman College, 1939.	Erwin, Tenn.
Carnahan, A. Vernon A.B., Brothers College, Drew University, 1939.	Saltsburg, Pa.
Clark, Carl Cameron B.S., Davidson College, 1939.	Hiwassee Dam, N. C.
Coplan, Edwin Duke University, 1936-39.	Columbia, S. C.
Corboy, John Gilbert A.B., Duquesne University, 1939.	Pittsburgh, Pa.
Donovan, Frank X. A.B., Elon College, 1939.	Floral Park, N. Y.
Doyle, James Jerome B.A., Rutgers University, 1939.	Morristown, N. J.
Everett, Robert James Duke University, 1936-39.	Kingston, N. Y.
Fechter, Robert Mordecai A.B., College of Charleston, 1939.	Charleston, S. C.
Fogle, Charles D., Jr. A.B., Marietta College, 1939.	Marietta, O.
Fuller, Donald Whitcomb A.B., Hamilton College, 1939.	Endicott, N. Y.
Fuston, Sam Del Duke University, 1936-39.	Murfreesboro, Tenn.
Hambrick, Jackson Reid A.B., Wofford College, 1938.	Spartanburg, S. C.
Holmes, Reid Thomas A.B., Duke University, 1939.	Wildwood, N. J.
Hyde, Joan B.A., New Jersey College for Women, 1938.	New York City
Kimbrell, William Clarence B.A., Washington and Lee University, 1932.	Durham, N. C.
Lamberson, Ralph Tiffin A.B., University of Michigan, 1938.	Colon, Mich.
Levinson, Joe Herman A.B., Duke University, 1939.	Benson, N. C.

- Lohr, William James  
A.B., Baldwin-Wallace College, 1939.
- Lundholm, John Edward  
A.B., Catawba College, 1939.
- McCall, Samuel Horace, Jr.  
B.S., Davidson College, 1939.
- MacCuish, Inez Dorothy  
B.S., New York University, 1939.
- Malone, Thomas Patrick  
Duke University, 1936-39.
- Metz, Jean Lois  
Duke University, 1936-39.
- Nelson, Frederick  
A.B., University of Washington, 1939.
- Nunn, Henry Philip  
A.B., Duke University, 1939.
- Owen, William Nathaniel  
A.B., Duke University, 1937.
- Owens, Herman Franklin, Jr.  
The Citadel, 1936-37; Duke University, 1937-39.
- Pollack, George Bernhardt  
B.A., Rutgers University, 1939.
- Puckett, Robert Stephens  
A.B., Duke University, 1939.
- Ralston, Adolph Henry  
Duke University, 1936-39.
- Repko, John Francis  
A.B., Temple University, 1939.
- Richardson, C. H., Jr.  
A.B., Bucknell University, 1938; A.M., 1939.
- Sawyer, Thomas B.  
A.B., Duke University, 1938.
- Smith, Louis Van  
A.B., High Point College, 1938.
- Strain, John Francis  
A.B., Stanford University, 1939.
- Truesdale, Sidney Louis  
A.B., Duke University, 1939.
- Unger, Maurice Albert  
Duke University, 1936-39.
- Varlan, Nicholas Peter  
A.B., Syracuse University, 1939.
- Wasem, George Mathew  
A.B., Illinois Wesleyan University, 1939.
- Winger, Maurice  
A.B., William Jewell College, 1939.
- Bay Village, O.
- Wildwood, N. J.
- Troy, N. C.
- New York City
- Mahanoy City, Pa.
- Jersey City, N. J.
- Seattle, Wash.
- Winston-Salem, N. C.
- Schenectady, N. Y.
- Fountain, N. C.
- Perth Amboy, N. J.
- Birmingham, Ala.
- Middlesboro, Ky.
- Freeland, Pa.
- Lewisburg, Pa.
- Greensboro, N. C.
- High Point, N. C.
- Muscatine, Iowa
- Winston-Salem, N. C.
- Patchogue, N. Y.
- Rochester, N. Y.
- New York City
- Kansas City, Mo.

## SECOND YEAR

- Anderson, William Kimbrough  
B.S., Kent State University, 1936.
- Arst, Norton Jerome  
A.B., Louisiana State University, 1938.
- Barkman, Francis Elwood  
A.B., St. John's College, 1938.
- Bragg, Harold Hoffman  
A.B., Baker University, 1938.
- Carr, Aute Lee  
A.B., Butler University, 1938.
- Cooprider, Virgil Wayne  
A.B., Kansas State Teachers College, 1938.
- Kent, Ohio
- Drew, Miss.
- Cumberland, Md.
- Dodge City, Kan.
- Grover Hill, Ohio
- Pawnee, Okla.

- Dixon, Daniel Robert  
A.B., The College of William and Mary, 1937. Rocky Mount, N. C.
- Fischer, Charles Henry, Jr.  
A.B., Duke University, 1938. West Haven, Conn.
- Frampton, George Thomas  
A.B., Duke University, 1938. Scarsdale, N. Y.
- Gentithes, George Harry  
A.B., Mount Union College, 1938. Warren, Ohio
- Gordon, Eugene Andrew  
Elon College, 1935-37; Duke University, 1937-38. Brown Summit, N. C.
- Harvey, Thomas William, Jr.  
A.B., Marshall College, 1939. Huntington, W. Va.
- Horack, Benjamin Shambaugh  
A.B., Duke University, 1939. Durham, N. C.
- Kaufman, Howell Boucher  
B.S., Johns Hopkins University, 1938. Timonium, Md.
- Kerr, Ben Ransom  
A.B., Duke University, 1939. Murfreesboro, Tenn.
- Leavenworth, Robert Wing  
A.B., Duke University, 1938. New Haven, Conn.
- Lenox, Walter Stanley  
A.B., Duke University, 1938. Ridgefield Park, N. J.
- Lipscomb, Woodrow Pershing  
A.B., Duke University, 1938. Hinton, W. Va.
- McCormack, Edward Joseph  
A.B., University of Newark, 1935; B.S., Rutgers University, 1937. Irvington, N. J.
- Mack, Edwin Van Tuyl  
A.B., Duke University, 1938. Rutherfordton, N. C.
- Malone, William Frank  
A.B., Western Maryland College, 1938. Allen, Md.
- Marshall, Archibald George  
A.B., Duke University, 1939. Branford, Conn.
- Mattocks, James Richardson  
A.B., High Point College, 1938. High Point, N. C.
- Mims, Frank Meyer  
B.A., The University of New Mexico, 1938. Mountainair, N. M.
- Moore, Hervey Studdiford, Jr.  
A.B., Duke University, 1939. Trenton, N. J.
- Moran, John William  
A.B., Lenoir-Rhyne College, 1938. North Platte, Neb.
- Moscoso, Guillermo  
University of Puerto Rico, 1932-35. Mayaguez, P. R.
- Rebman, Andrew Frederick, III  
A.B., Duke University, 1938. Courtland, Ala.
- Schultz, Herman L.  
B.S., State University of Iowa, 1938. Belmond, Iowa
- Sink, Henry Harrison  
A.B., Duke University, 1939. Greensboro, N. C.
- Smith, LaRue, Jr.  
Stanford University, 1933-35; Montana State University, 1935-38. Great Falls, Mont.
- Smith, Numa Lamar, Jr.  
B.A., Furman University, 1938. High Point, N. C.
- Stack, Warren Carlisle  
A.B., Duke University, 1939. Monroe, N. C.
- Tinsley, James Jones  
A.B., Wofford College, 1938. Spartanburg, S. C.
- Watson, William Harry, Jr.  
A.B., Dartmouth College, 1938. Keene, N. H.
- Wherrett, Norman Lewis  
A.B., Duke University, 1938. Wilmington, Del.

- Williams, Berry Collins  
A.B., Duke University, 1938. Fayetteville, Tenn.
- Williams, Bill Justin  
A.B., Duke University, 1938. Fayetteville, Tenn.

## THIRD YEAR

- Adams, Margaret Louise  
A.B., Duke University, 1938. Esterly, Pa.
- Arnold, Herman Ross, Jr.  
B.A., Furman University, 1937. Jacksonville, Ala.
- Beattie, Frank John  
A.B., Oberlin College, 1931. New London, Ohio
- Daniels, George Neil  
B.S., Davis and Elkins College, 1932. Elkins, W. Va.
- Foster, Elliott Orman, Jr.  
A.B., Bates College, 1937. Millbury, Mass.
- Garber, Murray Roger  
A.B., Duke University, 1938. Bradford, Pa.
- Gracey, Hugh Catron  
B.S., Davidson College, 1937. Franklin, Tenn.
- Harris, Roger Kennedy  
A.B., Duke University, 1937. Newport, Ark.
- Hassel, Merrill Lynnwood  
A.B., Duke University, 1938. Bart, Pa.
- Hayes, Johnson Jay, Jr.  
B.A., Wake Forest College, 1937. Wilkesboro, N. C.
- Hendricksen, Burnell Howe  
A.B., University of South Dakota, 1938. Viborg, S. D.
- Hovey, George Dunmore  
B.S., Lafayette College, 1937. Atlantic Beach, Fla.
- Josephs, Alex Rustin  
Centre College, 1934-35; Duke University, 1935-37. Charlotte, N. C.
- Keene, Spotswood Hughes  
A.B., Randolph-Macon College, 1937. Ashland, Va.
- Klein, Joseph  
Northwestern University, first semester, 1933-34; Northwestern University, 1935-37. Chicago, Ill.
- Koop, Charles Thomas  
A.B., Duke University, 1938. Islip, N. Y.
- Lauffer, Joseph  
Karls Gymnasium, 1925-27; University of Berlin, 1927-28; University of Heidelberg, 1928-29; University of Tübingen, 1929-31. Durham, N. C.
- Little, James Crawford  
A.B., Duke University, 1938. Raleigh, N. C.
- McCoy, John Oliver  
A.B., Duke University, 1938. Glen Jean, W. Va.
- Malmquist, Tord Vincent  
A.B., Marshall College, 1937. Huntington, W. Va.
- Missal, Harold Milton  
Ph.B., Dickinson College, 1935. Bristol, Conn.
- Moore, John Shelby  
A.B., Duke University, 1937. Bridgeport, W. Va.
- Moose, William Lewis, III  
B.A., Hendrix College, 1936. Little Rock, Ark.
- Page, Hugh Alexander, Jr.  
Duke University, 1932-36. Clayton, N. C.
- Pope, Harrell  
A.B., Duke University, 1938. Dunn, N. C.

Poyner, James Marion	Raleigh, N. C.
B.S., North Carolina State College of Agriculture and Engineering, 1935; M.S., 1937.	
Raub, Benjamin Dimmick, Jr.	Easton, Pa.
A.B., Lafayette College, 1937.	
Rouzer, Elmer Ellsworth	Hagerstown, Md.
A.B., Duke University, 1938.	
Shepard, James Schumann	Columbia City, Ind.
A.B., Wabash College, 1937.	
Stone, Russell DeLeon	Wilmington, N. C.
A.B., Duke University, 1938.	
Tunnell, Robert White	Georgetown, Del.
A.B., Muskingum College, 1937.	
Turner, Charles Fletcher	Birmingham, Ala.
A.B., Duke University, 1938.	
Vandenburgh, Edward Clinton, III	Sioux City, Iowa
B.S., Iowa State College of Agriculture and Mechanic Arts, 1937.	
Wanless, Julian Thor	Springfield, Ill.
A.B., DePau University, 1937.	
Weinstein, Maurice Aaron	Salem, N. J.
A.B., Duke University, 1938.	
Welfare, Bradley Lamar, Jr.	Winston-Salem, N. C.
A.B., Duke University, 1937.	

## GRADUATE STUDENTS

Carswell, Robert McLean	Kissimmee, Fla.
LL.B., John B. Stetson University, 1938; A.B., 1939.	
McLeod, John Blount	Lumberton, N. C.
LL.B., Wake Forest College, 1922; A.B., University of North Carolina, 1939.	

## THE SCHOOL OF MEDICINE

## FIRST YEAR

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Harry Tompkins Aker.....	Boise, Idaho.....	Duke University, House FF.
<i>University of Idaho.</i>		
Ralph Parr Baker.....	Newberry, N. C.....	1601 University Road, Durham, N. C.
<i>Washington and Lee University.</i>		
Donald Gibson Bard, Jr.....	Pleasantville, N. Y.....	Duke University, House FF.
<i>Duke University.</i>		
John Lee Barrett.....	Grosse Pointe, Mich.....	Duke University, House FF.
<i>Duke University;</i> <i>University of Michigan.</i>		
Stephen Russell Bartlett, Jr.....	Hingham, Mass. ....	Duke University, House FF.
<i>Trinity College (Hartford, Conn.)</i>		
Charles Leonard Benson.....	Tamaqua, Pa.....	Duke University, House FF.
<i>Muhlenberg College;</i> <i>Duke University.</i>		
Gustave Francis Bieber.....	South River, N. J...2121 W. Pettigrew St.,	Durham, N. C.
<i>Rutgers University.</i>		
George Orion Boucher.....	Salt Lake City, Utah.....	818 Second St., Durham, N. C.
<i>University of California.</i>		
Norris Mervin Burlson.....	Port Allegany, Pa.....	Duke University, House FF.
<i>Duke University.</i>		
John Sinclair Campbell.....	Manistee, Mich.....	Duke University, House FF.
<i>University of Michigan.</i>		
Robert Monroe Campbell.....	Neosho, Mo.....	Duke University, House FF.
<i>Central College.</i>		
Leffie Mahon Carlton, Jr.....	Wauchula, Fla.....	Duke University, House FF.
<i>John B. Stetson University;</i> <i>Duke University.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
George Judson Cooper, Jr. <i>Albion College;</i> <i>Stanford University;</i> <i>Wayne University.</i>	Detroit, Mich.....	Duke University, House FF.
Archibald Nail Dawson <i>Duke University.</i>	Lakewood, Ohio....	Duke University Road, Durham, N. C.
Lucy Jane Gregory <i>Sweet Briar College.</i>	Rocky Mount, N. C....	Faculty Apts.-215, Durham, N. C.
Eugene Russell Griffith <i>Colorado University;</i> <i>Colorado College.</i>	Crowley, Colo.....	Duke University, House FF.
Matthew Hill Grimmett <i>Vanderbilt University.</i>	McMinnville, Tenn.....	Duke University, House FF.
Walter Gordon Hackett <i>Vanderbilt University.</i>	Rome, Ga.....	Duke University, House FF.
Harold E. Harvey <i>Duke University.</i>	Sprague, W. Va.....	Duke University, House FF.
Watkins Proctor Harvey <i>Lynchburg College.</i>	Lynchburg, Va.....	1505 University Road, Durham, N. C.
Eleanor Jane Herring <i>Greensboro College;</i> <i>Guilford College.</i>	Roseboro, N. C.....	Faculty Apts.-215, Durham, N. C.
William Samuel Hooten <i>Lynchburg College.</i>	Lynchburg, Va.....	1505 University Road, Durham, N. C.
Henry Lee Howard <i>Duke University;</i> <i>University of South Carolina.</i>	Savannah, Ga.....	Duke University, House FF.
John Howard <i>Duke University.</i>	Savannah, Ga.....	Duke University, House FF.
Carter Wyckoff Howell <i>Harvard University;</i> <i>Knox College.</i>	Grinnell, Iowa.....	Duke University, House FF.
Roy Mason Kash <i>Sterling College.</i>	Omer, Ky.....	Duke University, House FF.
Anthony Vanderbilt Keese <i>Stanford University.</i>	Pasadena, Calif.....	Duke University, House FF.
Andrew Antonious Kerhulas <i>Wofford College.</i>	Union, S. C.....	Duke University, House FF.
Samuel Rea Kilgore <i>The Citadel.</i>	Woodruff, S. C.....	1017 Rose Hill Ave., Durham, N. C.
Herbert Arthur King <i>University of Richmond.</i>	Peabody, Mass.....	Duke University, House FF.
John Albert Kneipp <i>Duke University.</i>	Washington, D. C.....	Duke University, House FF.
Lemuel Weyher Kornegay, Jr. <i>Davidson College.</i>	Rocky Mount, N. C.....	Duke University, House FF.
David Jay McCulloch <i>Ohio State University.</i>	East Liverpool, Ohio....	Duke University, House FF.
Paul Robinson Massengill <i>Duke University;</i> <i>N. C. State College.</i>	Raleigh, N. C.....	909 Arnette Ave., Durham, N. C.
Harry Stoll Mustard, Jr. <i>The Johns Hopkins University;</i> <i>University of South Carolina.</i>	Boykin, S. C.....	University Apts., Durham, N. C.
Beatrice Hart Nahigian <i>Swarthmore College;</i> <i>University of Edinburgh.</i>	Durham, N. C.....	Few Farm, Durham, N. C.
Jack Harrell Neese <i>Elon College.</i>	Reidsville, N. C.....	Erwin Road, Durham, N. C.
William Irvin Niekirk <i>Duke University.</i>	Hagerstown, Md.....	Duke University, House FF.



<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
John Hopkins Noel, Jr. <i>Vanderbilt University.</i>	Nashville, Tenn.	Duke University, House FF.
Arthur Francis O'Keeffe. <i>The Johns Hopkins University.</i>	Milton, Mass.	University Apts., Durham, N. C.
John Frederick Ott. <i>University of Cincinnati.</i>	Cincinnati, Ohio.	Duke University, House FF.
John Dickinson Peck, Jr. <i>Virginia Polytechnic Institute.</i>	Summersville, W. Va.	Duke University, House FF.
Maxine Roberta Perdue. <i>Duke University.</i>	Canton, Ohio.	Faculty Apts.-115, Durham, N. C.
William Anthony Peters, Jr. <i>Duke University.</i>	Elizabeth City, N. C.	Duke University, House FF.
Robert Lyons Picken. <i>Washington State College.</i>	Tonasket, Wash.	808 Third St., Durham, N. C.
Frank Earl Poole. <i>West Virginia University.</i>	Clay, W. Va.	Duke University, House FF.
Norman Wesley Rausch. <i>Western Maryland College; Duke University.</i>	Maplewood, N. J.	Duke University, House FF.
John Andrews Ritchie. <i>Hampden-Sydney College; University of Virginia.</i>	Hardware, Va.	Duke University, House GG.
Benjamin Franklin Roach. <i>Duke University.</i>	Midway, Ky.	Duke University, House FF.
Harold Francis Roma. <i>St. John's Univ. Coll. of Pharmacy; Manhattan College.</i>	Brooklyn, N. Y.	Duke University, House FF.
Robert Franklin Ruff. <i>Pennsylvania State College.</i>	Jeannette, Pa.	Duke University, House FF.
John Groaton Sellers. <i>William and Mary College; Duke University.</i>	Norfolk, Va.	Duke University, House FF.
Alfred Siegel. <i>College of the City of New York; Washington Square College.</i>	Brooklyn, N. Y.	Duke University, House FF.
Richard Hopkins Sinden. <i>University of Florida.</i>	Dunedin, Fla.	Duke University, House FF.
Walter Spaeth, Jr. <i>Duke University.</i>	Southern Pines, N. C.	Duke University, House FF.
Harlan Aljean Stiles. <i>Marshall College.</i>	Huntington, W. Va.	Duke University, House FF.
Eric Donald Thompson. <i>Duke University; Harvard College.</i>	Montclair, N. J.	Duke University, House FF.
Kearns Reid Thompson, Jr. <i>Duke University.</i>	Reidsville, N. C.	Duke University, House FF.
Thomas Carter Van Arsdall. <i>University of Michigan.</i>	Harrodsburg, Ky.	Duke University, House FF.
Robert James Vanderlinde. <i>Duke University.</i>	Rochester, N. Y.	Duke University, House FF.
James Ernest Wallace. <i>Mercer University.</i>	Oil City, Pa.	Duke University, House FF.
Garland Odell Wellman. <i>Marshall College.</i>	Kenova, W. Va.	Duke University, House FF.
William Harrison Williams, Jr. <i>Wake Forest College.</i>	Charlotte, N. C.	Duke University, House FF.
John McLean Wilson. <i>The Citadel.</i>	Darlington, S. C.	1017 Rose Hill Ave., Durham, N. C.
Marshall Wayne Woodard. <i>Mars Hill College; Duke University.</i>	Asheville, N. C.	Duke University, House FF.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Cabell Young, Jr.....	Charlotte, N. C.....	Duke University,
<i>N. C. State College;</i>		
<i>Duke University.</i>		

SECOND YEAR

William Edwin Baldwin, Jr.....	Dunn, N. C.....	1013 Monmouth Ave., Durham, N. C.
<i>Duke University;</i>		
<i>S. S., Wake Forest College.</i>		
Boyd Black.....	Mather, Pa.....	Duke University, House FF.
<i>Waynesburg College.</i>		
Albert Henry Bremer, Jr.....	Rochelle Park, N. J.....	Duke University, House FF.
<i>University of Virginia.</i>		
Clyde Owens Brindley.....	Temple, Texas.....	Duke University, House GG.
<i>University of Texas.</i>		
Iverson Oakley Brownell.....	Pasco, Wash.....	University Apts., Durham, N. C.
<i>Washington State College.</i>		
Walter Ellis Bryant.....	Darlington, S. C.....	901 Fifth St., Durham, N. C.
<i>College of Charleston;</i>		
<i>Newberry College.</i>		
Merwin Elliott Buchwald.....	Brooklyn, N. Y.....	Duke University, House FF.
<i>Washington and Lee University.</i>		
George William Burch.....	Fort Lauderdale, Fla.....	918 Trinity Ave., Durham, N. C.
<i>University of Florida.</i>		
Clarence Cooper Butler.....	Columbus, Ga.....	Duke University, House FF.
<i>Vanderbilt University.</i>		
John Robert Clark, Jr.....	Stuart, Va.....	Duke University, House FF.
<i>Randolph-Macon College.</i>		
Joseph Henry Cutchin, Jr.....	Whitakers, N. C.....	Duke University, House FF.
<i>Davidson College.</i>		
Roy David Daniel.....	Fort Meyers, Fla.....	Duke University, House FF.
<i>Florida Southern College;</i>		
<i>University of Florida.</i>		
William Arthur Dinsmore.....	Heilwood, Pa.....	1013 Monmouth Ave., Durham, N. C.
<i>Pennsylvania State College.</i>		
Hartwell Price Edwards.....	Spartanburg, S. C.....	411 Cook Street, Durham, N. C.
<i>Wofford College.</i>		
John Robert Egan.....	Washington, D. C.....	Duke University, House FF.
<i>Harvard College.</i>		
John Mellichamp Fearing.....	Charleston, S. C.....	University Apts., Durham, N. C.
<i>College of Charleston;</i>		
<i>University of North Carolina.</i>		
Arthur Howard Flower, Jr.....	Dayton, Ohio.....	Duke University, House FF.
<i>Heidelberg College.</i>		
Joseph Armistead Ford, Jr.....	Lynchburg, Va.....	901 Fifth St., Durham, N. C.
<i>Lynchburg College;</i>		
<i>Virginia Military Institute.</i>		
Elmer Thomas Gale.....	Clinton, N. C.....	Duke University, House FF.
<i>Duke University.</i>		
Joe Frank Harris.....	Raleigh, N. C.....	Duke University, House FF.
<i>Duke University.</i>		
John Roy Hege, Jr.....	Winston-Salem, N. C.....	Duke University, House FF.
<i>Salem College;</i>		
<i>Duke University.</i>		
Stephen Francis Horne.....	Farmington, N. C.....	Duke University, House FF.
<i>Duke University.</i>		
Frank Randolph Johnston.....	Greer, S. C.....	411 Cook St., Durham, N. C.
<i>Presbyterian College.</i>		
Herbert David Kerman.....	West Palm Beach, Fla....	Duke University, House FF.
<i>Duke University.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Charles Edward Kernodle, Jr. <i>Elon College.</i>	Elon College, N. C.	Duke University, House FF.
John Franklin Kincaid. <i>Hampden-Sydney College.</i>	Leesburg, Va.	Duke University, House FF.
Chester Sedgewick Koop. <i>Duke University.</i>	Islip, N. Y.	Duke University, House HH.
Frank R. Ledesma-Diaz. <i>The Catholic University of America.</i>	San Juan, Puerto Rico	Duke University, House FF.
Julian Carr Lentz, Jr. <i>Duke University.</i>	Durham, N. C.	1006 Lamond Ave., Durham, N. C.
James William Littler. <i>Duke University.</i>	Manlius, N. Y.	411 Cook St., Durham, N. C.
William Campbell McLain, Jr. <i>Duke University; University of South Carolina.</i>	Columbia, S. C.	1013 Monmouth Ave., Durham, N. C.
I. William McLean, Jr. <i>Davidson College.</i>	Kingston, Jamaica, B.W.I.	University Apts., Durham, N. C.
Theo Howell Mees. <i>Capital University; S. S., University of Maryland.</i>	Chevy Chase, D. C.	University Apts., Durham, N. C.
David DeLeon Moise. <i>University of Maryland; Duke University.</i>	Sumter, S. C.	Duke University, House FF.
Frank Theodore Moran. <i>Rutgers University; Vanderbilt University.</i>	Jersey City, N. J.	Duke University, House FF.
William Reynolds Nesbitt, Jr. <i>Williams Junior College; Duke University.</i>	Durham, N. C.	2403 Club Blvd., Durham, N. C.
Earl Andrew O'Neill. <i>Springfield College.</i>	Elizabeth, N. J.	Duke University, House FF.
Charles Hamilton Reid, Jr. <i>Salem College; University of North Carolina.</i>	Winston-Salem, N. C.	Duke University, House FF.
Frank Newell Reimer. <i>Long Beach Junior College; Stanford University.</i>	Long Beach, Calif.	Duke University, House FF.
James Franklin Reinhardt. <i>Davidson College.</i>	Lincolnton, N. C.	University Apts., Durham, N. C.
Robert Alfred Greer Ricketson. <i>Vanderbilt University.</i>	Broxton, Ga.	University Apts., Durham, N. C.
Luther John Roberts, Jr. <i>Georgia Military Academy; Washington and Lee University.</i>	Newnan, Ga.	1507 Duke University Road, Durham, N. C.
James Forbes Rogers. <i>Duke University.</i>	Upper Montclair, N. J.	Duke University, House FF.
Max Pritchard Rogers. <i>High Point College.</i>	Burlington, N. C.	Duke University, House FF.
Brita Rosenqvist. <i>University of Pittsburgh.</i>	Oakmont, Pa.	903 Sixth St., Durham, N. C.
William Crenshaw Smith. <i>Randolph-Macon College.</i>	Creeds, Va.	Duke University, House FF.
Richard Dean Snipes. <i>University of North Carolina.</i>	Hamlet, N. C.	Duke University, House FF.
Helen Starke. <i>Duke University.</i>	Ridgewood, N. J.	903 Sixth St., Durham, N. C.
John Thomas Stone. <i>The Citadel.</i>	Greenwood, S. C.	Duke University, House FF.
William Conrad Stone. <i>Hampden-Sydney College.</i>	Roanoke, Va.	Duke University, House FF.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
John Mather Street..... <i>Yale University.</i>	Manzanillo, Cuba.....	918 Trinity Ave., Durham, N. C.
Archie Reid Sutherland..... <i>Duke University;</i> <i>S. S., Emory and Henry College.</i>	Sparta, Ill.....	Duke University, House FF.
George Foster Sutherland..... <i>Duke University;</i> <i>Duke University Graduate School.</i>	Grundy, Va.....	Duke University, House FF.
Ralph Gordon Templeton..... <i>University of North Carolina.</i>	China Grove, N. C....	996 Monmouth Ave., Durham, N. C.
Andrew Henry Thomas..... <i>Roanoke College.</i>	New Britain, Conn.....	Duke University, House FF.
Harold Bushman Thurston..... <i>Duke University.</i>	Martinsburg, W. Va.....	Duke University, House FF.
Henry Lewis Valk..... <i>University of North Carolina;</i> <i>University of Pennsylvania.</i>	Winston-Salem, N. C....	Duke University, House FF.
Harvey Noble Vandegrift, Jr..... <i>University of Delaware.</i>	Elmhurst, Del.....	1000 Lamond Ave., Durham, N. C.
Harold Diederich von Glahn..... <i>Duke University.</i>	Brooklyn, N. Y.....	Duke University, House FF.
Louis Charles Waller..... <i>Pennsylvania State College.</i>	Nanticoke, Pa..	1505 Duke University Road, Durham, N. C.
Theodore Willard Weeks, Jr..... <i>University of Florida.</i>	Moore Haven, Fla.....	Duke University, House GG.
Walter F. Whitt, Jr..... <i>Catawba College.</i>	Salisbury, N. C.....	Duke University, House FF.
Thomas Wilfred Wills..... <i>Harvard University;</i> <i>Stanford University.</i>	San Diego, Calif.....	University Apts., Durham, N. C.
Charles Kenneth Wintrup..... <i>University of Pennsylvania;</i> <i>University of Delaware.</i>	Wilmington, Del.....	1000 Lamond Ave., Durham, N. C.
Harry Clyde Wortman, Jr..... <i>University of Tennessee.</i>	Belleville, N. J.....	Duke University, House GG.
William Armand Wulfman..... <i>Marshall College.</i>	Huntington, W. Va.....	Duke University, House FF.
William Vernon Young..... <i>Maryville College.</i>	Washington, N. J.....	Duke University, House FF.

## SENIOR

Ellis Wentworth Adams (6/2/41)*..... <i>University of Michigan;</i> <i>Michigan State College.</i>	Ypsilanti, Mich.....	Duke University, House B.
Richard Haight Ames (12/14/40)..... <i>Haverford College.</i>	Onancock, Va.....	University Apts., Durham, N. C.
Norman LaRue Anderson (12/16/39)..... <i>Duke University.</i>	Durham, N. C.....	Duke Hospital.
Frederick Henry Andrus (12/16/39)..... <i>Akron University;</i> <i>Duke University.</i>	Durham, N. C.....	Duke University, House FF.
Kenward Oliver Babcock (12/14/40)..... <i>San Mateo Junior College;</i> <i>Stanford University.</i>	Ontario, Calif.....	Duke University, House FF.
Waldo Otis Badgley (12/16/39)... <i>General Motors Institute of Technology;</i> <i>Michigan State College.</i>	East Lansing, Mich.....	1005 N. Duke St., Durham, N. C.

\* The date in parentheses after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Fred Nelson Baeder (6/3/40) <i>Duke University.</i>	Nutley, N. J.	Duke University House GG.
Gareth Bonsack Barnes (12/14/40) <i>Antioch College; Bridgewater College.</i>	Elgin, Ill.	Duke University, House GG.
Oliver Jerome Bateman, Jr. (12/16/39) <i>Duke University.</i>	Byron, Ga.	Duke University, House FF.
Ralph Etheridge Baum (6/2/41) <i>Duke University.</i>	Kitty Hawk, N. C.	Duke University, House FF.
Steven I. Bednarz (6/2/41) <i>Rutgers University.</i>	Wallington, N. J.	2121 W. Pettigrew St., Durham, N. C.
Edward Perry Benbow (12/14/40) <i>Gulford College; University of North Carolina.</i>	Greensboro, N. C.	Duke University, House FF.
Emil Charles Beyer (6/2/41) <i>Duke University.</i>	White Plains, N. Y.	Duke University, House FF.
William Hegley Bonser (12/16/39) <i>Yale University.</i>	Toledo, Ohio	2334 Heron Circle, Durham, N. C.
Edwin Wells Brown (6/2/41) <i>Biltmore College; Duke University.</i>	Asheville, N. C.	Duke University, House FF.
Ivan Willard Brown, Jr. (12/16/39) <i>University of Rochester.</i>	Newfane, N. Y.	Duke Hospital.
James Walter Brown, Jr. (12/14/40) <i>Duke University.</i>	Gatesville, N. C.	1515 W. Pettigrew St., Durham, N. C.
Kenneth Brien Brown (6/2/41) <i>Franklin and Marshall College.</i>	Montclair, N. J.	Duke University, House B.
R. Brown (12/16/39) <i>Rollins College.</i>	Beatrice, Neb.	1119 Eighth St., Durham, N. C.
William Keefer Brumbach (6/2/41) <i>Duke University.</i>	Belleville, N. J.	1022 Gloria Ave., Durham, N. C.
Woodrow William Burgess (6/2/41) <i>Duke University.</i>	Royal Oak, Mich.	Duke University, House FF.
Robert van Liew Campbell (12/16/39) <i>University of Maryland.</i>	Hagerstown, Md.	University Apts., Durham, N. C.
Charles Stafford Clay (6/2/41) <i>Duke University; University of Alabama Medical School.</i>	Ashland, Ky.	Duke University, House FF.
Cecil Curtis Collins, Jr. (3/25/40) <i>Marion Institute; Duke University.</i>	Jacksonville, Fla.	University Apts., Durham, N. C.
Victor Conforti (6/3/40) <i>Connecticut State College.</i>	Torrington, Conn.	116 Buchanan Road, Durham, N. C.
Joseph Kalil David, Jr. (6/2/41) <i>University of Florida.</i>	Jacksonville, Fla.	Duke University, House FF.
J. Harold Donaldson, Jr. (12/14/40) <i>Marshall College.</i>	Huntington, W. Va.	818 Second St., Durham, N. C.
Frederick Duncan Elliott (3/15/41) <i>Dickinson College.</i>	Cloudersport, Pa.	University Apts., Durham, N. C.

\* The date in parentheses after a name indicates the time of completion of the medical course



<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Harry Stough Etter (12/16/39) <i>Duke University.</i>	Hanover, Pa.....	Erwin Apts., Durham, N. C.
William Allen Exum (6/2/41) <i>Davidson College;</i> <i>Duke University.</i>	Snow Hill, N. C.....	Duke University, House FF.
Richard Webster Finner (12/16/39) <i>University of Florida.</i>	Tallahassee, Fla.....	Duke University, House FF.
William Henry Fisher, Jr. (6/3/40) <i>Duke University.</i>	Centreville, Md.....	Duke University, House FF.
Joseph B. Ford, Jr. (12/16/39) <i>Duke University.</i>	Savannah, Ga.....	Duke Hospital.
Paul T. Forth (12/14/40) <i>University of Michigan.</i>	Rochester, N. Y.....	1011 Lamond Ave., Durham, N. C.
William Henry Fulmer (6/3/40) <i>Duke University.</i>	Savannah, Ga.....	208 Buchanan Road, Durham, N. C.
Julius Joyce Gibbons, Jr. (3/16/40) <i>Duke University.</i>	Wilson, N. C.....	Duke University, House FF.
James S. Gilliam, Jr. (6/2/41) <i>University of North Carolina.</i>	Elon College, N. C.....	Duke University, House FF.
Stephen Arnold Ginn (8/31/40) <i>Duke University.</i>	Royston, Ga.....	Duke University, House FF.
David Watson Goddard (12/16/39) <i>Duke University.</i>	Portsmouth, Ohio.....	University Apts., Durham, N. C.
Erastus Genair Goodman (3/16/40) <i>University of North Carolina;</i> <i>medical student, ibid., 1936-1938.</i>	Leland, N. C.....	Duke University, House FF.
Henry Boone Grant (12/14/40) <i>University of North Carolina.</i>	Garysburg, N. C.....	Duke University, House FF.
Briant Bowman Guerin (6/2/41) <i>Duke University.</i>	Mendham, N. J.....	1515 W. Pettigrew St., Durham, N. C.
Risley Frith Haines (6/3/40) <i>Duke University.</i>	Bayamo, Cuba.....	Duke University, House FF.
Willis Wilbur Harris (6/3/40) <i>University of Florida.</i>	Bee Ridge, Fla.....	Duke University, House FF.
Leroy Day Harshman (12/16/39) <i>Waynesburg College.</i>	Frederickstown, Pa.....	University Apts., Durham, N. C.
William Carter Hawkins (6/3/40) <i>Mars Hill College;</i> <i>Duke University.</i>	West Asheville, N. C.....	Duke University, House FF.
Hubert B. Haywood, Jr. (6/2/41) <i>University of North Carolina.</i>	Raleigh, N. C.....	Duke University, House FF.
Joseph Spurgeon Hiatt, Jr. (12/16/39) <i>Lenoir Rhyne College;</i> <i>Duke University.</i>	Lenoir, N. C.....	Duke University, House FF.
Donald Vincent Hirst (6/2/41) <i>Duke University.</i>	Durham, N. C...	1507 Duke University Road Durham, N. C.
Charles William Hock (6/2/41) <i>Bluefield College;</i> <i>Duke University.</i>	Bluefield, W. Va.....	Duke University, House FF.

\* The date in parentheses after a name indicates the time of completion of the medical course.



<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
James Weston Hodges (6/2/41) . . . <i>North Carolina State; East Carolina Teachers College.</i>	Greenville, N. C. . . . .	Duke University, House FF.
William Nolen Horsley (6/2/41) . . . <i>Duke University.</i>	Belmont, N. C. . . . .	Duke University, House FF.
Richard Carroll Irving (6/2/41) . . . <i>Muskingum College.</i>	Conneaut, Ohio . . . . .	Duke University, Durham, N. C.
Rolf Elmo Johnson (3/16/40) . . . . . <i>Duke University.</i>	Harrisburg, Pa. . . . . 116	Buchanan Road, Durham, N. C.
Stanley Karansky (6/2/41) . . . . . <i>Columbia University.</i>	Brooklyn, N. Y. . . . . 918 W.	Trinity Ave., Durham, N. C.
William Hummel Karmany (6/2/41) . . . . . <i>Gettysburg College; The Johns Hopkins University; School of Hygiene &amp; Public Health.</i>	Hummelstown, Pa. . . . .	University Apts., Durham, N. C.
James Woodruff Kelley (6/3/40) . . . <i>University of Delaware.</i>	Wilmington, Del. . . . .	Duke University,
William Baugher Kintzing (12/14/40) . . . . . <i>Dickinson College.</i>	Hanover, Pa. . . . .	University Apts., Durham, N. C.
Glenn Augustus Kiser (6/2/41) . . . . . <i>University of North Carolina.</i>	Bessemer City, N. C. . . . .	Duke University, House FF.
George Harold Kostant (6/3/40) . . . . . <i>Johns Hopkins University.</i>	Brooklyn, N. Y. . . . .	Duke University, House FF.
Harold Hunter Kuhn (6/3/40) . . . . . <i>Duke University.</i>	Charleston, W. Va. . . . .	Duke University, House FF.
Stanley Joseph Lourdeaux (6/3/40) . . . . . <i>Santa Clara University; Menlo Junior College; Stanford University.</i>	San Francisco, Calif. . . . . 2510	Englewood Ave., Durham, N. C.
Rudolph Powers McCulloch (6/2/41) . . . . . <i>Michigan State Normal.</i>	Ypsilanti, Mich. . . . .	Duke University, House FF.
Oscar Lee McFayden, Jr. (12/14/40) . . . . . <i>Duke University.</i>	Fayetteville, N. C. . . . .	Duke University, House FF.
Paul Franklin Maness (12/16/39) . . . . . <i>Wofford College; Duke University.</i>	Yanceyville, N. C. . . . .	Duke Hospital.
Frank Rambo Mann (6/2/41) . . . . . <i>University of Georgia.</i>	McRae, Ga. . . . .	Duke University, House FF.
George Margolis (6/3/40) . . . . . <i>Johns Hopkins University.</i>	Montgomery, W. Va. . . . .	Duke University, House FF.
Lester Henry Margolis (6/3/40) . . . . . <i>Johns Hopkins University.</i>	Montgomery, W. Va. . . . .	Duke University, House FF.
Archibald Graham McIlwaine Martin, III (12/14/40) . . . . . <i>Randolph-Macon College; North Carolina State College, S. S.;</i> <i>University of North Carolina, S. S.</i>	Suffolk, Va. . . . .	University Apts., Durham, N. C.
Addison Lee Messer (12/14/40) . . . . . <i>University of Florida.</i>	Tallahassee, Fla. . . . .	University Apts., Durham, N. C.
Muriel Meyers (6/2/41) . . . . . <i>Hood College.</i>	Pittsburgh, Pa. . . . . 1106	Englewood Ave., Durham, N. C.
Robert Plato Miller (3/16/40) . . . . . <i>Duke University.</i>	Lincolnton, N. C. . . . .	University Apts., Durham, N. C.

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<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Wardell Hardee Mills (6/3/40) . . . <i>East Carolina Teachers College;</i> <i>University of North Carolina.</i>	Greenville, N. C. . . . .	Duke University, House FF.
Leon Howard Mims, Jr. (12/14/40) . . . . . <i>The Citadel;</i> <i>University of South Carolina</i>	Florence, S. C. . . . .	Duke University, House FF.
John Edward Moss (6/3/40) . . . . . <i>Duke University.</i>	Mobile, Ala. . . . .	208 Buchanan Road, Durham, N. C.
Edwin Hastings Mulford, II (12/14/40) . . . . . <i>Duke University;</i> <i>S. S., Cornell University.</i>	Little Falls, N. Y. . . . .	Duke Hospital,
Jesse Phillip Muse (6/2/41) . . . . . <i>Duke University.</i>	Savannah, Ga. . . . .	Duke University, House FF.
Robert Gleave Neill (12/14/40) . . . . . <i>Bakersfield Junior College;</i> <i>University of California.</i>	Bakersfield, Calif. . . . .	University Apts., Durham, N. C.
Robert Read Nixon (6/3/40) . . . . . <i>University of Texas;</i> <i>St. Mary's University of San Antonio, S. S.;</i> <i>University of Virginia.</i>	San Antonio, Texas. . . . .	Duke University, House FF.
Joseph Freeman Paquet (3/16/40) . . . . . <i>University of Oregon;</i> <i>University of Idaho;</i> <i>Duke University.</i>	Portland, Ore. . . . .	Duke University Road, Durham, N. C.
Olin Charles Perryman, Jr. (12/14/40) . . . . . <i>University of North Carolina.</i>	Winston-Salem, N. C. . . . .	Duke University, House FF.
Arnold Zachary Pfeffer (6/2/41) . . . . . <i>City College of New York;</i> <i>University of Maryland.</i>	New York City . . . . .	602 Atlas Ave., Durham, N. C.
Kenneth Arthur Podger (12/14/40) . . . . . <i>Duke University.</i>	Kenmore, N. Y. . . . .	Duke University, House FF.
Pierre Patillo Poole (6/3/40) . . . . . <i>John B. Stetson University.</i>	Cross Anchor, S. C. . . . .	Duke University, House GG.
Millard Pinson Quillian (6/2/41) . . . . . <i>University of Florida;</i> <i>Western State Teachers College.</i>	Bradenton, Fla. . . . .	1515 W. Pettigrew St., Durham, N. C.
Mila Elisabeth Rindge (12/14/40) . . . . . <i>Connecticut College for Women.</i>	Madison, Conn. . . . .	903 Sixth St., Durham, N. C.
Rufus Winston Roberts, Jr. (6/3/40) . . . . . <i>Duke University.</i>	Birmingham, Ala. . . . .	Duke University, House GG.
Ralph Wayne Rundles (6/3/40) . . . . . <i>DePauw University;</i> <i>Cornell University Graduate School.</i>	Hudson, Ind. . . . .	2109 Chapel Hill Road, Durham, N. C.
Robert Thornton Rutherford, Jr. (12/16/39) . . . . . <i>Duke University.</i>	Charlotte, N. C. . . . .	Duke University, House FF.
Clarence Joseph Sapp (6/3/40) . . . . . <i>Duke University.</i>	Albany, Ga. . . . .	Duke University, House FF.
Eric Dutton Savage (12/14/40) . . . . . <i>Harvard University.</i>	New York City . . . . .	1022 Gloria Ave., Durham, N. C.
John Green Scott, Jr. (6/2/41) . . . . . <i>Duke University;</i> <i>S.S., University of Pittsburgh.</i>	Tamqua, Pa. . . . .	Duke University, House FF.

\* The date in parentheses after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
William Harrison Sellers (12/14/40)..... <i>Alabama Polytechnic Institute; Duke University.</i>	Anniston, Ala.....	1013 Monmouth Ave., Durham, N. C.
Richard Allen Shields, Jr. (6/3/40)..... <i>Duke University.</i>	Lewes, Del.....	Duke University, House FF.
Paul Ervin Simpson (3/16/40)... <i>Muhlenberg College; Duke University;</i>	Ridgewood, N. J.....	University Apts., Durham, N. C.
Gardner Ford Smart (12/14/40). <i>Duke University.</i>	Troy, Ala.....	Duke University, House GG.
Paul DeLaine Snedegar (6/2/41) <i>Davis and Elkins College; S. S., University of Michigan.</i>	Ekins, W. Va.....	University Apts., Durham, N. C.
George Arthur Sotirion (3/16/40)..... <i>The Johns Hopkins University.</i>	Chicopee, Mass.....	Duke University, House FF.
Ross Clarence Speir, Jr. (6/3/40).. <i>Duke University.</i>	Birmingham, Ala.....	Duke University, House GG.
David Rodney Stack, Jr. (6/2/41).. <i>Wofford College.</i>	Charleston, S. C.....	Duke University, House GG.
Charles Clarence Stauffer (6/2/41)..... <i>Duke University.</i>	Washington, D. C.....	Duke University, House FF.
Howard Paul Steiger (12/16/39).. <i>Bucknell University; Duke University.</i>	Williamsport, Pa.....	University Apts., Durham, N. C.
Gordon Conover Stenhouse (12/14/40)..... <i>New York University; University of North Carolina.</i>	Mt. Vernon, N. Y.....	Duke University, House FF.
Richard McCulloch Taliaferro (3/15/41)..... <i>Duke University.</i>	Columbia, S. C.....	Glenn Apts., Durham, N. C.
Harvey Grant Taylor (3/16/40). <i>San Jose State College; Stanford University.</i>	Los Gatos, Calif.....	Duke Hospital.
William Gilmore Thompson (12/14/40)..... <i>Duke University.</i>	Portland, Maine.....	University Apts., Durham, N. C.
George Tudor Thornhill, Jr. (3/15/41)..... <i>Duke University.</i>	Bluefield, W. Va.....	1013 Monmouth Ave., Durham, N. C.
Patti Marie Sills Thornhill (6/3/40)..... <i>Duke University.</i>	Nashville, N. C.....	University Apts., Durham, N. C.
Raymond Perle Thornhill (6/2/41)..... <i>University of Idaho.</i>	Kellogg, Idaho.....	Duke University, House FF.
Lloyd Flinton Timberlake (6/2/41)..... <i>Duke University; S. S., University of South Carolina.</i>	Columbia, S. C.....	1013 Monmouth Ave., Durham, N. C.
James McKnight Timmons (12/14/40)..... <i>Duke University; University of South Carolina.</i>	Columbia, S. C.....	Duke University, House FF.

\* The date in parentheses after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Philip Cocke Trout (6/2/41)..... <i>University of Virginia.</i>	Roanoke, Va.....	1013 Monmouth Ave., Durham, N. C.
James Lyman Tullis (3/16/40).... <i>Rollins College.</i>	Cleveland, Ohio.....	1019 Dacian Ave., Durham, N. C.
James Arthur Tupper (6/3/40).... <i>University of Washington.</i>	Seattle, Wash.....	Duke Hospital.
William Lucas Venning, Jr. (12/16/39)..... <i>Duke University;</i> <i>Harvard.</i>	Greensboro, N. C.....	812 Anderson St., Durham, N. C.
George Ritchie Wall (3/16/40).... <i>University of North Carolina;</i> <i>medical student, ibid., 1936-1938.</i>	Siler City, N. C.....	Duke University, House FF.
Robert Eugene Walsh (8/31/40).. <i>Duke University.</i>	Elmira, N. Y.....	Duke University, House FF.
Don James Weeks (6/2/41)..... <i>Fresno State Teachers College;</i> <i>Stanford University.</i>	Fresno, Calif.....	2541 Chapel Hill Road, Durham, N. C.
Jack Hamill Welch (6/3/40)..... <i>Ohio State University.</i>	Columbus, Ohio.....	Duke University, House FF.
Richard Bidgood Whitaker, Jr. (8/31/40)..... <i>Duke University.</i>	Whiteville, N. C.....	Duke University, House FF.
Robert Macon Whitley, Jr. (6/3/40)..... <i>Louisburg College;</i> <i>Duke University.</i>	Stantonsburg, N. C.....	Duke University, House FF.
Walter LeRoy Widmark (12/14/40)..... <i>Duke University.</i>	Verona, N. J.....	1515 W. Pettigrew St., Durham, N. C.
Prentiss Willson, Jr. (12/14/40)... <i>George Washington University;</i> <i>Pennsylvania State College.</i>	Washington, D. C.....	1006 Shepherd St., Durham, N. C.
George Ashby Winstead (3/15/41).. <i>Wake Forest College.</i>	Rocky Mount, N. C.....	Duke University, House FF.
Robert Cary Wood (6/3/40)..... <i>Duke University.</i>	Lewisburg, W. Va.....	Duke University, House FF.
William Egleston Woodruff (3/16/40)..... <i>Duke University.</i>	Winston-Salem, N. C....	University Apts., Durham, N. C.

THE SCHOOL OF NURSING

SENIOR

Allan, Margaret	Malone, Ernestine
Bagby, Virginia	Morison, Polly
Boone, Evelyn	Painter, Isabelle
Brake, Thelma	Parker, Esther
Bruffey, Jean	Paynter, Marcella
Bryant, Carl	Ray, Dorothy
Clay, Isa	Wagner, Josephine
Gandy, Virginia	Weaver, Martha
Hinshaw, Esther	Weeks, Charlotte
Jones, Nancy	Wilkinson, Dorothy
Makely, Antoinette	

JUNIOR

Babb, Frances	Bryant, Edith
Bigler, Ouida	Bunch, Mary
Brooke, Inez	Collins, Hallie Jo

\* The date in parentheses after a name indicates the time of completion of the medical course.

Darrough, Sarah  
 Deaton, Dorothy  
 Dugger, Charlotte  
 Dulin, Margaret  
 Hartley, Lucy  
 Horton, Elizabeth  
 Kale, Ella Mae  
 Ledford, Rubye  
 Mallory, Margaret  
 Martin, Edrie  
 Matheson, Deane  
 McCranie, Aline

Miller, Frances  
 Milton, Margaret  
 O'Neal, Christine  
 Reinhart, Cynthia  
 Sowers, Lucy  
 Steelgleman, Betty  
 Wade, Sarah  
 Warren, Sue  
 Whitener, Marion  
 Woodward, Frances  
 Young, Helen Ross

## FRESHMAN

Alley, Charlotte  
 Allred, Mary Jewel  
 Ashley, Daisy  
 Bunn, Esper Nann  
 Cook, Clara  
 Combs, Jeanne  
 Cowan, Frances  
 Curtis, Anita  
 Curtis, Catherine  
 Ellison, Ethel  
 Estes, Jean  
 Gaines, Dorothy  
 Garris, Grace  
 Geckler, Ruth  
 Gum, Margaret  
 Hardin, Hilliard  
 Harvin, Anne  
 Jones, Helen  
 Kirkland, Sara  
 Krebs, Gladys  
 Leatherwood, Elizabeth

Letherman, Alice  
 Ligon, Martha  
 Lingle, Dorothy  
 Maxwell, La Vohn  
 McCorkell, Jean  
 McCollum, Sarah  
 Misenheimer, Rachel  
 Moore, Louise H.  
 Moore, Mary Alice  
 Mortemer, Anne  
 Poindexter, Kathleen  
 Poole, Carol  
 Ruthledge, Fanny  
 Sheldon, Dorothy  
 Slade, Lucy  
 Smythe, Florrie  
 Stone, June  
 Weintz, Edith  
 Whipple, Isabelle  
 Wirt, Emma  
 Wynne, Wilda

## THE SCHOOL OF FORESTRY

## REGULAR STUDENTS

Adsit, Francis Wayne.....	Hamilton, Ohio	HH-126
B.S.F., Purdue University, 1938.		
Andrews, Leslie Kearns.....	Mt. Gilead, N. C.	Duke University
B.S.F., North Carolina State College, 1936.		
Barney, Charles Wesley.....	Cuba, N. Y.	HH-219
B.S., New York State College of Forestry, 1938; M.S., University of Vermont, 1939.		
Beasley, William Lee, Jr.....	Louisburg, N. C.	HH-019
B.S.F., North Carolina State College, 1939.		
Beck, Clifford William.....	Buffalo, N. Y.	HH-02
B.S., New York State College of Forestry, 1939.		
Crumpacker, William Johnson....	Durham, N. C.	1306 S. Duke Street
B.S., Duke University (Requirements completed Summer, 1939. Degree to be conferred June, 1940).		
Ernst, William, Jr.....	Kansas City, Kan.	116 Buchanan Blvd.
B.S., Colorado State College, 1939.		
Hermelink, Herman Milton.....	Kansas City, Mo.	HH-06
B.S.F., University of Michigan, 1939.		
Jones, William Curry, Jr.....	Chapman, Ala.	HH-018
A.B., Birmingham-Southern College, 1938.		
Knorr, Philip Noel.....	Modesto, Calif.	HH-313
B.S., University of California, 1938.		

Lynch, Donald Walton.....	Highwood, Mont. B.S.F., Montana State University, 1939.	HH-313
McKeown, Eugene.....	Leavittsburg, Ohio B.A., Battle Creek College, 1935.	912 Burch Avenue
McWilliams, John Scott.....	New Albany, Ind. B.S.F., Purdue University, 1938.	HH-126
Miller, Ira Malcolm.....	Brooklyn, N. Y. A.B., Emory University, 1938.	HH-018
Olson, Earl Franklin.....	Norris, Tenn. B.S., Iowa State College, 1933.	HH-01
Robertson, James Campbell Hay...	Fort Collins, Colo. B.S.F., University of Washington, 1927; M.S., University of California, 1933.	University Apts., C-1-D
Scholtes, Wayne Henry.....	Clinton, Iowa B.S., Iowa State College, 1939.	HH-019
Smith, Robert Lewis.....	Lancaster, Pa. B.S., Pennsylvania State College, 1936.	901 Fifth Street
Steirly, Charles Cornell.....	Hampton, Va. B.S., New York State College of Forestry, 1933.	902 W. Trinity Avenue
Watkins, Virgil Gray.....	Kent's Store, Va. B.S., University of Virginia, 1937.	810 Second Street
<i>Total</i> .....		20

## PRE-FORESTRY SENIORS IN THE SCHOOL OF FORESTRY

Baldwin, Alan Thorrestруп.....	Wilmington, Del.	AA-103
Bew, James William.....	Margate City, N. J.	AA-103
Heller, Robert Chester.....	East Orange, N. J.	R-205
<i>Total</i> .....		3

STUDENTS OF FORESTRY IN THE GRADUATE SCHOOL  
OF ARTS AND SCIENCES

Massey, Calvin LeRoy.....	Wheatridge, Colo. B.S., Colorado State College, 1939.	908 W. Markham Avenue
Toole, Eben Richard.....	Lanham, Md. B.S., New York State College of Forestry, 1935; A.M., Duke University, 1938.	HH-219
<i>Total</i> .....		2





## SUMMARY

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### GOVERNMENT, ADMINISTRATION, AND INSTRUCTION

Governing Boards .....	51
Trustees of Duke University .....	36
Trustees of Duke Endowment .....	15
Officers of Administration .....	68
The University .....	5
Trinity College, the Woman's College, the College of Engineering and the Schools.....	24
Assistants in Administration .....	39
Officers of Instruction .....	446*
Professors .....	102
Associate Professors .....	44
Assistant Professors .....	83
Instructors .....	145
Instructional Assistants .....	72**
Staff of University Libraries .....	69
TOTAL .....	634

### STUDENTS

Trinity College .....	1,590
Seniors .....	220
(includes 36 summer school graduates)	
Juniors .....	305
Sophomores .....	350
Freshmen .....	703
(includes 190 advanced freshmen)	
Special students .....	12
Woman's College .....	880
Seniors .....	161
Juniors .....	204
Sophomores .....	224
Freshmen .....	264
(includes 19 advanced freshmen)	
Special students .....	26
Auditors .....	1
College of Engineering .....	215
The Graduate School of Arts and Sciences .....	1,230
(296 of these in regular academic year)	

\* Does not include visiting members of Summer School faculty.

\*\* Does not include Graduate Assistants, Fellows and Scholars some of whom meet classes.

The School of Law .....		123
First Year .....	47	
Second Year .....	38	
Third Year .....	36	
Graduates .....	2	
The School of Medicine .....		345
First Year .....	66	
Second Year .....	67	
Junior-Senior Year .....	126	
Graduates (Internes and Residents) .....	86	
The School of Nursing .....		92
Technicians .....		14
The School of Dietetics .....		6
The School of Religion .....		104
Seniors .....	38	
Middle Year .....	40	
Juniors .....	26	
The School of Forestry .....		20
The Summer School (less duplicates) .....		2,606
Graduates, First Term .....	1,163	
Graduates, Second Term .....	578	
Undergraduates, First Term .....	370	
Undergraduates, Second Term .....	363	
Junaluska Summer School, affiliated with Duke University .....	141	
Summer Quarter, Schools of Medicine and Nursing ... (includes special research students)	158	
		<hr/>
Deduction for names appearing more than once .....		7,225
		<hr/>
Enrollment for 12 months' period .....		1,546
		<hr/>
Enrollment in academic year .....		5,679
		<hr/>
Enrollment in academic year .....		3,673

## GIFTS AND BEQUESTS

Duke University derives its principal support from endowment funds and from miscellaneous gifts and grants. Permanently invested capital funds enable the University to offer to students academic and professional training at a fraction of its actual cost. The effectiveness of the University is determined to a large extent by its financial resources.

Gifts and bequests devoted to the improvement of the work of the University will be received and administered by the trustees in accordance with the desires of the donor.

*Gifts.* Any kind of property, real or personal, may be the subject of a gift and only such form as is required to pass title is necessary. If the gift consists of real property, the title will be passed by deed; if it consists of cash or unregistered bonds, the gift is consummated by delivery of the property; or if stocks, by delivery of properly endorsed stock certificates. Unless restricted, the use of gifts is at the discretion of the Board of Trustees. Usually the proceeds, conservatively invested, are added to the permanent endowment of the University. The donor may, however, restrict the use of any gift and designate definitely the objects for which it shall be used. In such cases, the transfer of property would be accomplished by a letter or other document describing in detail the objects for which the proceeds of the gift are to be used and when accepted by the University the terms or conditions set out therein become binding upon it.

*Bequests.* Bequests may be made to the University by an appropriate clause inserted in a will or by codicil to a will already drawn. The following forms will serve as appropriate clauses for wills or codicils:

### General

I give (devise; if real property) and bequeath to Duke University, a corporation existing under the laws of the State of North Carolina and located in the City and County of Durham, State of North Carolina, and its successors forever the sum of..... dollars (or otherwise describe the gift) for the general purposes and uses of the University at the discretion of the Board of Trustees.

### Specific

I give (devise; if real property) and bequeath to Duke University, a corporation existing under the laws of the State of North Carolina and located in the City and County of Durham, State of North Carolina, or its successors forever, the sum of.....dollars (or otherwise describe gift) and direct that the income therefrom shall be used for the following purposes, viz. (here describe in detail the use desired).

### Codicil

Having heretofore made my last Will and Testament dated..... and being of sound mind, I hereby make, publish, and declare the following codicil thereto; (here insert clause in same form as if it had been included in body of Will). Except as hereinbefore changed, I hereby ratify, confirm and republish my said last Will and Testament.



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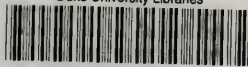






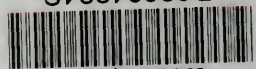


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